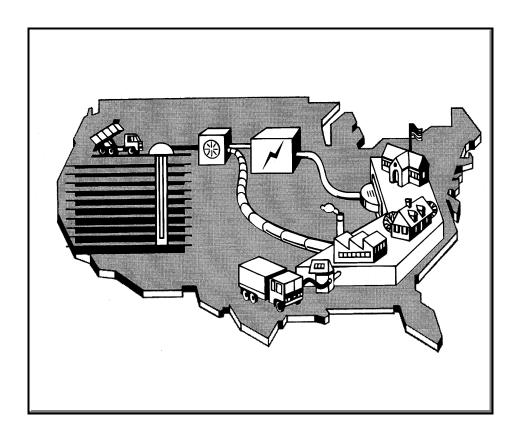


Landfill Gas-to-Energy Project Opportunities

Landfill Profiles for the State of Indiana





EPA Landfill Methane Outreach Program



The EPA Landfill Methane Outreach Program, a key component of the United State's *Climate Change Action Plan*, encourages the use of landfill gas (LFG) as an energy resource. EPA assists utilities,

municipal and private landfill owners and operators, tribes, and state agencies in reducing methane emissions from landfills through the development of profitable landfill energy recovery projects. Methane captured from landfills can be transformed into a cost-effective fuel source for electricity, heat, boiler and vehicular fuel, or sale to a pipeline. EPA estimates there are approximately 200 landfill methane recovery projects in the U.S. and that up to 750 landfills could install economically viable landfill energy projects.

The Landfill Methane Outreach Program includes five important components: the State Ally, Energy Ally, Industry Ally, Community Partner, and Endorser programs. EPA establishes separate alliances with state agencies, energy providers (including investor-owned, municipal and other public power utilities and cooperatives), key trade and public sector associations, members of the landfill gas development industry (including developers, engineers, equipment vendors, and others) and local communities, municipalities and landfill owner/operators through a Memorandum of Understanding (MOU). By signing the MOU, each Ally/Partner acknowledges a shared commitment to the promotion of landfill gas-to-energy recovery at solid waste landfills, recognizes that the widespread use of landfill gas will reduce emissions of methane and other gases, and commits to undertake activities to enhance development of this resource. In return, EPA agrees to provide landfill gas-to-energy project assistance and public recognition of the Allies' and Partners' participation in the program.

Introduction

Since 1994 the U.S. EPA's Landfill Methane Outreach Program (LMOP) has participated in an ongoing effort to gather information on Municipal Solid Waste landfills (MSW). A key component of the LMOP is to provide MSW landfill owners and operators, project developers, utilities, and other potential project participants with information on MSW landfills that may offer attractive energy development opportunities. This document presents state specific landfill information, hereinafter referred to as the landfill profiles. These profiles are useful to evaluate the potential for developing landfill gas-toenergy projects (LFGTE). EPA assembled this information from state and local sources as well as various national solid waste publications, landfill owners and operators, and project developers.

The EPA has prepared a separate document to describe the methodology used to develop the state-specific landfill profiles and estimate the benefits of using LFGTE as an energy source. The document, Landfill Gas-to-Energy Project Opportunities, Background Information on Landfill Profiles, contains background information on gas collection and use, describes the data fields according to the five sections listed on the landfill profiles, and where applicable, illustrates calculations and default values used to derive estimates. EPA strongly recommends that users read the document prior to using the landfill profiles. Users can obtain the document by calling the LMOP hotline at 1-888-STAR-YES.

Data Sources

- EPA-ORD Landfill Gas Utilization-Survey (Thorneloe, 1997)
- Directory and Atlas of Solid Waste Disposal Facilities (SWA, 1994)
- Implementation Guide for Landfill Gas Recovery Projects in the Northeast (SCS, 1994)
- Landfill Gas-to-Energy 1994-1995 Activity Report (SWT, 1994)
- Methane Recovery from Landfill Yearbook (GAA, 1994)
- · Project developers, landfill owners, and operators
- · State and local records
- · Survey of Landfill Gas Generation Potential (EPRI, 1992)
- . U.S. Landfill Directory (SWANA, 1992)

Landfill Classification

To facilitate the use of available landfill information, EPA has categorized the landfills into five categories: Current Project, ¹ Candidate Project, Shutdown, Other, and Unknown waste-in-place (WIP). These categories are based on the status of the landfill's LFGTE project(s) and WIP. The generation of methane is a function of many factors, the most critical being the amount of waste-in-place and the number of years the waste has been in the landfill. Peak methane generation occurs soon after closure; therefore, the longer the landfill has been closed, the less attractive it becomes for methane recovery. Based on the general timing of peak methane generation, EPA assumes that landfills that ceased accepting waste prior to 1993 have a low probability of generating enough methane to make a gas recovery project economical. Consequently, landfills need to be operating in 1993 to be considered as having a Candidate Project.

Landfill Categorizes

Current Project:

 Landfill with operational LFGTE project or landfill with LFGTE project under construction.

Candidate Project:

- Landfill with a potential or planned LFGTE utilization project; or
- Landfill is currently operating or closed after 1993; and has more than 1,000,000 tons of municipal solid waste-inplace.²

Shutdown:

· Landfill with shutdown LFGTE project.

Other

 Landfill has less than 1,000,000 tons of municipal solid waste-in-place with no current or planned LFGTE project.

Unknown WIP:

 Landfill with insufficient data to determine the waste-inplace

State Summary

State-specific landfill profile information is summarized in three exhibits. Exhibit 1 presents a summary of the state-specific potential for LFG utilization energy by landfill category. Exhibit 2 summarizes the emissions avoided by fossil fuel displacement for electricity generation and direct use projects. Exhibit 3 presents an index of the state-specific MSW landfills, referenced by category, landfill name and general characteristics.

² By modeling the relationship between WIP and methane generation, a cut-off of 1,000,000 tons of WIP was established; landfills having at least 1,000,000 tons of WIP are considered candidate landfills.



¹ Current projects illustrate the wide range of successful project development options.

Exhibit 1: Indiana MSW Landfill Summary

| Category | No. of | Est. Capacity Potential | | Est. CH4 | Methane R | | CO2 Equivalent of CH4 Reduction (tons/yr) | | |
|-------------|-----------|-------------------------|-------------------------|-------------------------|-----------|---------|---|---------|--|
| | Landfills | Electricity (MW) | Gas Capacity (mmBtu/hr) | Generation (mmscf/d) | (tons/yr) | | | | |
| | | | | | Potential | Current | Potential | Current | |
| Current | 10 | 74 | 735 | 24 | 136,070 | 29,294 | 2,857,470 | 615,164 | |
| Candidate | 26 | 102 | 1,017 | 33 | 188,164 | 0 | 3,951,452 | 0 | |
| Other | 44 | 24 | 242 | 8 | 44,703 | 0 | 938,755 | 0 | |
| Unknown WIP | 10 | | | | | | | | |
| Total | 90 | 199 | 1,994 | 64 | 368,937 | 29,294 | 7,747,677 | 615,164 | |

Exhibit 2: Potential Indiana Emissions Avoided by Fossil Fuel Displacement

| Category | | Electricity Generation Project | | | | | Direct Use Project | | | | | |
|-------------|-----------|--------------------------------|----------------|---------------|-------|----------------|--------------------|---------|----------------|--------|-------|----------------|
| | C | CO2 (tons/yr) | | SO2 (tons/yr) | | CO2 (tons/yr) | | | SO2 (tons/yr) | | | |
| | Coal | Oil | Natural Gas | Coal | Oil | Natural Gas | Coal | Oil | Natural Gas | Coal | Oil | Natural Gas |
| Current | 580,118 | 476,134 | 320,159 | 3,667 | 3,065 | 0 | 409,756 | 336,310 | 226,139 | 3,729 | 1,960 | 2 |
| Candidate | 801,904 | 658,167 | 442,560 | 5,069 | 4,236 | 0 | 566,632 | 465,066 | 312,717 | 5,156 | 2,710 | 3 |
| Other | 187,848 | 154,177 | 103,671 | 1,188 | 992 | 0 | 134,616 | 110,486 | 74,293 | 1,225 | 644 | 1 |
| Unknown WIP | | | | | | | | | | | | |
| Total | 1,569,870 | 1,288,478 | 866,391 | 9,923 | 8,293 | 0 | 1,111,004 | 911,861 | 613,149 | 10,109 | 5,314 | 6 |

Exhibit 3: Index of Landfills in Indiana

| Cotogory | Landfill Name | | WIP | OI Landinis | | LFG Collected | LFG | Status of LFGTE |
|-----------|--------------------------|-------------------|-----------------------|--------------------------|---------------|---------------|---------|-----------------|
| Category | Landfill Name | | | Landfill Operating in | LFG Collected | Utilization | Project | |
| | | <2.5 million tons | 2.5 to 4 million tons | >4 million tons | 1998 | | Project | i iojeet |
| Current | BFI/Laubscher Meadows LF | | | ~ | ✓ | | ✓ | Operational |
| Current | County Line LF | ~ | | | ✓ | | | Construction |
| Current | Laidlaw South LF | | | V | ✓ | | ✓ | Operational |
| Current | LaPorte County RDF | | | V | | | ✓ | Operational |
| Current | National Serv-All LF | | | V | ✓ | | ✓ | Operational |
| Current | Prairie View LF | | | V | | ✓ | ✓ | Operational |
| Current | Randolph Farms LF | | ✓ | | ✓ | | ✓ | Operational |
| Current | South Side LF | | | V | ✓ | ✓ | ✓ | Operational |
| Current | Twin Bridges RDF | | | ✓ | ✓ | ✓ | ✓ | Operational |
| Current | Wheeler RDF | | | V | | | ✓ | Operational |
| Candidate | Bartholomew County LF | ✓ | | | | | | Unknown |
| Candidate | Blackfoot LF | | ✓ | | ✓ | | | Potential |
| Candidate | Caldwell LF | ✓ | | | | | | Potential |
| Candidate | Center Point LF | | ✓ | | | | | Unknown |
| Candidate | Chambers/Liberty LF | | | ✓ | ✓ | | | Planned |
| Candidate | Clark-Floyd LF | | | V | ✓ | | | Potential |
| Candidate | Coal Bluff LF | ✓ | | | | | | Potential |
| Candidate | Earthmovers LF | | | ~ | ✓ | | | Unknown |
| Candidate | Elkhart County - CR 7 LF | | ✓ | | ✓ | | | Potential |
| Candidate | Gary Sanitary LF | | | ✓ | ✓ | | | Planned |
| Candidate | Hancock County LF | | ✓ | | ✓ | | | Unknown |
| Candidate | Hayes LF | ✓ | | | ✓ | | | Unknown |
| Candidate | Jay County LF | | | ✓ | ✓ | | | Potential |
| Candidate | New Paris Pike LF | ✓ | | | ✓ | | | Potential |
| Candidate | North Wells LF | ✓ | | | | | | Unknown |
| Candidate | Northside LF | | ✓ | | | | | Potential |
| Candidate | Oak Ridge RDF | | | V | ✓ | | | Planned |
| Candidate | Ransbottom LF | ✓ | | | ✓ | | | Unknown |
| Candidate | Rumpke (Uniontown) | ✓ | | | | | | Potential |
| Candidate | Rumpke-Medora LF | | | V | ✓ | | | Potential |
| Candidate | Rumpke-Milan LF | ✓ | | | | | | Potential |
| Candidate | Spencer County | | ✓ | | | | | Unknown |
| Candidate | Terre Haute | | | | | | | Potential |
| Candidate | United Refuse LF | | | ✓ | ✓ | | | Potential |
| Candidate | Wabash Valley LF | | | ✓ | | | | Potential |
| Candidate | Worthington LF | V | | | ✓ | | | Potential |
| Other | Adams County North LF | ✓ | | | | | | Unknown |
| Other | Adams County South | ✓ | | | | | | Unknown |
| Other | Blackford County LF | ✓ | | | | | | Unknown |

December 05, 1998

Exhibit 3: Index of Landfills in Indiana

| Category | Landfill Name | | WIP | | Landfill | LFG Collected | LFG | Status of LFGTE |
|----------|----------------------------|-------------------|--------------------------|-----------------|--------------|-----------------|-------------|-----------------|
| Gutogory | Lanam Namo | | | 4 '111' | Operating in | Zi G Goillottou | Utilization | Project |
| | | <2.5 million tons | 2.5 to 4 million tons | >4 million tons | 1998 | | Project | • |
| Other | Brown County LF | ✓ | | | | | | Unknown |
| Other | Camp Atterbury LF | ✓ | | | | | | Unknown |
| Other | Crane NWSC LF | ✓ | | | ✓ | | | Unknown |
| Other | Daviess County LF | ✓ | | | | | | Unknown |
| Other | Decatur County | ✓ | | | | | | Unknown |
| Other | Decatur Hills LF | ✓ | | | ✓ | | | Unknown |
| Other | Dekalb County | ✓ | | | | | | Unknown |
| Other | Edwards LF | ✓ | | | | | | Unknown |
| Other | Fountain County LF | ✓ | | | ✓ | | | Unknown |
| Other | Ft. Benjamin Harrison | ✓ | | | | | | Unknown |
| Other | Gibson County LF No. 2 | ✓ | | | | | | Unknown |
| Other | Greendale LF | ✓ | | | | | | Unknown |
| Other | Greentown | ✓ | | | | | | Unknown |
| Other | Griffith LF | ✓ | | | | | | Unknown |
| Other | Huntington City LF | ✓ | | | | | | Unknown |
| Other | IAAP - Charlestown | ✓ | | | | | | Unknown |
| Other | Jasper LF | ✓ | | | | | | Unknown |
| Other | Jennings County LF | ✓ | | | ✓ | | | Unknown |
| Other | Kanizer LF | ✓ | | | | | | Unknown |
| Other | LaGrange County LF | ✓ | | | ✓ | | | Unknown |
| Other | Lawrence County LF | ✓ | | | | | | Unknown |
| Other | Mason-Hayes LF | ✓ | | | | | | Unknown |
| Other | McCarty LF | ✓ | | | | | | Unknown |
| Other | Montgomery LF | ✓ | | | | | | Unknown |
| Other | Munster LF | ✓ | | | ✓ | | | Unknown |
| Other | Newport AAP | ✓ | | | | | | Unknown |
| Other | Noble County LF | ✓ | | | | | | Unknown |
| Other | Owen County LF | ✓ | | | ✓ | | | Unknown |
| Other | Pike County LF | ✓ | | | ✓ | | | Unknown |
| Other | South Wells LF | ✓ | | | | | | Unknown |
| Other | Speedway LF | ✓ | | | | | | Unknown |
| Other | Spencer County Sanitary LF | ✓ | | | ✓ | | | Unknown |
| Other | Spring Valley LF | | ✓ | | | | | Unknown |
| Other | Sullivan County LF | ✓ | | | ✓ | | | Unknown |
| Other | T.H. LF | ✓ | | | | | | Unknown |
| Other | Tipton County LF | ✓ | | | ✓ | | | Unknown |
| Other | Vermillion County | ✓ | | | | | | Unknown |
| Other | Warren County LF | ✓ | | | | | | Unknown |
| Other | Warrick County LF #2 | ✓ | | | ✓ | | | Unknown |

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Exhibit 3: Index of Landfills in Indiana

| Category | Landfill Name | | WIP | | Landfill | LFG Collected | _ | Status of LFGTE |
|-------------|----------------------|-------------------|-----------------------|-----------------|----------------------|---------------|------------------------|-----------------|
| | | <2.5 million tons | 2.5 to 4 million tons | >4 million tons | Operating in 1998 | | Utilization Project | Project |
| Other | Washington County LF | ✓ | | | ✓ | | | Unknown |
| Other | West Clinton LF | ✓ | | | | | | Unknown |
| Unknown WIP | Alcoa Plant LF | | | | | | | Unknown |
| Jnknown WIP | Big "T" Disposal | | | | | | | |
| Jnknown WIP | Inland Container | | | | | | | Unknown |
| Jnknown WIP | Madison County LF | | | | | | | Unknown |
| Jnknown WIP | Monroe County LF | | | | | | | Unknown |
| Jnknown WIP | NENSWC Landfill | | | | | | | Unknown |
| Jnknown WIP | North Vigo LF | | | | | | | Unknown |
| Jnknown WIP | Rumpke (Aurora) | | | | | | | Unknown |
| Jnknown WIP | Rumpke (Batesville) | | | | | | | Unknown |
| Unknown WIP | Whitley County | | | | | | | Unknown |

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| | | . | BFI/Laubscher Meadov | | Landfill Categor | y: Current |
|----------------------------|-----------------|-----------------|---------------------------------------|-----------------------|----------------------------|---------------|
| | | A. G | ENERAL LANDFILL INFO | | | |
| Landfill Owner: | BFI | | | al Acceptance Rate | | 290,712 |
| Landfill Owner Type: | Private | | | Annual Acceptance | Rate Reported: | 1996 |
| Alternative Landfill N | | •11 | · · · · · · · · · · · · · · · · · · · | gn Capacity (tons): | 1./ | |
| City: | Evansv | | | S Currently Landfille | ed (acres): | |
| County: | Vander | burgh | | age Depth (feet): | | 5 222 816 |
| State: | IN 1070 | | | e-in-Place (tons): | 1. | 5,232,816 |
| Year Open: Year Closed: | 1979 2017 | | 1998 | Waste-in-Place (ton | S): | 6,038,640 |
| Tear Closed: | 2017 |] | B. LANDFILL GAS COLL | ECTION | | |
| Estimated Methane Ge | maration (mmsc | | | 1.96 | | |
| LFG Collection System | | // <i>u</i>). | | nned | | |
| Current LFG Collected | | | 1 ia | inica | | |
| Collection and Treatm | | uired Under NSI | PS/EG: | No | | |
| | | | C. LANDFILL GAS UTILI | ZATION | | |
| Current Utilization: | | | | | | |
| Utilization Syster | n Status: | Operational | | | | |
| Utilization Syster | n Type: | Reciprocatir | g Engine | | | |
| Utilization Syster | | | | | | |
| Electric Utility Pr | ovider(s): | | | | | |
| Natural Gas Prov | ider(s): | | | | | |
| Energy Purchaser | (s): | | | | | |
| Canacity | | Electrici | ty Congression Project (MW) | OR | Direct Use Project (mmPtu | (hr) |
| Capacity: | | Electrici | ty Generation Project (MW) | | Direct Use Project (mmBtu/ | |
| Estimated Potenti | | | | 6 | | 61 |
| Current Capacity: | | | | | | |
| Planned Capacity | : | | | | | |
| Utilities in County: | | Southern Inc | liana Gas & Elec Co | | | |
| | | D. ENVII | RONMENTAL BENEFITS | OF UTILIZATION | N | |
| | | | Potenti | al | Current | |
| Methane Reduction (to | ons/yr): | | | 11,347 | | 0 |
| CO2 Equivalent of CH | 4 Reduction (to | ns/yr): | | 238,277 | | 0 |
| E | E!l E! Di | .1 | Electricity Communi | D: | Divert Head Pro- | |
| Emissions Avoided by | rossu ruei Disp | пасетені. | Electricity Generati CO2 (tons/yr) | SO2 (tons/yr) | Direct Use Proje | SO2 (tons/yr) |
| | | Coal: | 48,146 | 304 | 34,169 | 311 |
| | | Fuel Oil: | | 254 | | 163 |
| | ., | | 39,516 | | 28,044 | |
| | N | atural Gas: | 26,571 | 0 | 18,857 | 0 |
| | | T 10"11 | E. CONTACT INFORMA | ATION | I ICII O | |
| Contact Name | | Landfill | Owner | T | Landfill Operator | |
| Contact Name: | Jeff Jenkins | | | Jeff Jenkins | | |
| Mailing Address: | 2020 Laubsche | er Road | | 2020 Laubscher | Road | |
| Dhona Number | 040 5 55 55 | | | | | |
| Phone Number: | 812-963-3295 | | | 812-963-3295 | | |
| Fax Number: | | | | | | |

* Itallicized indicates values estimated by EPA. December 5, 1998 State: IN Page: 1



Bartholomew County LF Landfill Category: Candidate A. GENERAL LANDFILL INFORMATION Landfill Owner: **Bartholomew County** Annual Acceptance Rate (tons): 77,610 Landfill Owner Type: Public Year Annual Acceptance Rate Reported: 1996 Alternative Landfill Name: Design Capacity (tons): City: Columbus Acres Currently Landfilled (acres): County: Bartholomew Average Depth (feet): State: IN Waste-in-Place (tons): 1,785,030 Year Open: 1974 1,674,794 1998 Waste-in-Place (tons): Year Closed: 1995 **B. LANDFILL GAS COLLECTION** Estimated Methane Generation (mmscf/d): 0.85 LFG Collection System Status: Current LFG Collected (mmscf/d): Collection and Treatment System Required Under NSPS/EG: No C. LANDFILL GAS UTILIZATION Current Utilization: **Utilization System Status:** Unknown Utilization System Type: Unknown Utilization System Start Year: Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Estimated Potential Capacity: 3 26 Current Capacity: Planned Capacity: Bartholomew County Rural E M C; Decatur County Rural E M C; Jackson County Rural E M C; PSI Utilities in County: D. ENVIRONMENTAL BENEFITS OF UTILIZATION Potential Current Methane Reduction (tons/yr): 4,893 0 CO2 Equivalent of CH4 Reduction (tons/yr): 102,759 0 Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project Direct Use Project CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr) SO2 (tons/yr) Coal: 20,521 130 14,736 134 Fuel Oil: 108 71 16,843 12,094 Natural Gas: 0 0 11.325 8,132 E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: James Murray Gregory Littleton Mailing Address: 720 S. Mapleton Street 1950 Tellman Rd Phone Number: 812-372-1225

State: IN

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* Itallicized indicates values estimated by EPA. December 5, 1998



Fax Number:

Blackfoot LF Landfill Category: Candidate A. GENERAL LANDFILL INFORMATION Landfill Owner: American Disposal Services, Incorporated Annual Acceptance Rate (tons): 113,477 Landfill Owner Type: Private Year Annual Acceptance Rate Reported: 1996 Alternative Landfill Name: Rose Disposal Services LF Design Capacity (tons): City: Acres Currently Landfilled (acres): County: Pike Average Depth (feet): State: IN Waste-in-Place (tons): 1,021,293 Year Open: 1988 1998 Waste-in-Place (tons): 2,847,922 Year Closed: 2030 **B. LANDFILL GAS COLLECTION** Estimated Methane Generation (mmscf/d): 1.15 LFG Collection System Status: Current LFG Collected (mmscf/d): Collection and Treatment System Required Under NSPS/EG: No C. LANDFILL GAS UTILIZATION Current Utilization: **Utilization System Status:** Potential Utilization System Type: Unknown Utilization System Start Year: Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Estimated Potential Capacity: 4 36 Current Capacity: Planned Capacity: Knox County Rural E M C; PSI Energy Inc; Southern Indiana Gas & Elec Co Utilities in County: D. ENVIRONMENTAL BENEFITS OF UTILIZATION Potential Current Methane Reduction (tons/yr): 6,628 0 CO2 Equivalent of CH4 Reduction (tons/yr): 139,190 0 Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project Direct Use Project CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr) SO2 (tons/yr) Coal: 28,414 180 19,960 182 Fuel Oil: 23,321 150 16,382 96 Natural Gas: 15.681 0 11,016 0 E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Reggie Schitter Reggie Schitter Mailing Address: 3726 East State Road 64 3726 East State Road 64 Phone Number: 812-789-2647 812-789-2647 Fax Number:

State: IN

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* Itallicized indicates values estimated by EPA. December 5, 1998



| | | | Caldwell Ll | F | | Landfill Catego | ry: Candidate |
|---|-------------------------------------|----------------------|-----------------------------------|--|--|---------------------------------|-----------------------|
| | | A. G l | ENERAL LANDFILL I | | ION | | |
| Landfill Owner: Landfill Owner Type: Alternative Landfill Nar City: | | 11 | Y D A | Annual Accept Tear Annual A Design Capaci Acres Currentl Average Depth | acceptance F ty (tons): y Landfilled | Rate Reported: | 110,804 1996 |
| County: State: | Shelby IN | | | Vaste-in-Place | | | 2,437,688 |
| Year Open: | 1975 | | | 998 Waste-in | | .). | 1,891,888 |
| Year Closed: | 1997 | | 1. | 990 waste-in | -1 iace (ions |). | 1,071,000 |
| | | I | 3. LANDFILL GAS CO | LLECTION | | | |
| Estimated Methane Gen LFG Collection System Current LFG Collected (Collection and Treatmen | Status: (mmscf/d): | | S/EG: | 0.90 No | | | |
| | | | C. LANDFILL GAS UT | TLIZATION | | | |
| Current Utilization: Utilization System Utilization System Utilization System Utilization System Electric Utility Pro Natural Gas Provid Energy Purchaser(s | Type: Start Year: vider(s): ler(s): | Potential Unknown | | | | | |
| Capacity: | | Electrici | ty Generation Project (M | W) (|)R | Direct Use Project (mmBt | ı/hr) |
| Estimated Potentia Current Capacity: Planned Capacity: | l Capacity: | | | 3 | | | 28 |
| Utilities in County: | | Johnson Cou | nty Rural E M C; PSI En | ergy Inc; She | lby County | Rural E M C | |
| · | | | RONMENTAL BENEFI | | | | |
| | | | | ential | | Current | |
| Methane Reduction (ton CO2 Equivalent of CH4 | - | ıs/yr): | 10. | | 5,214 109,500 | Current | 0 |
| Emissions Avoided by F | ossil Fuel Disp | olacement: | Electricity Gene CO2 (tons/yr) | ration Projec SO2 (tor | I | Direct Use Pro CO2 (tons/yr) | ject SO2 (tons/yr) |
| | | Coal: | 22,100 | , | 140 | 15,702 | 143 |
| | | Fuel Oil: | 18,139 | | 117 | 12,888 | 75 |
| | N | atural Gas: | 12,197 | | 0 | 8,666 | 0 |
| | | | E. CONTACT INFOR | RMATION | | | |
| | | Landfill (| | | | Landfill Operator | |
| Contact Name: | Dana Caldwell | | | Dana | Caldwell | | |
| Mailing Address: | | | | PO Bo | | | |
| Phone Number: | | | | 317-7 | 63-6258 | | |
| Fax Number: | | | | | | | |
| * Itallicized indicates val | lues estimated | by EPA. | Dec | ember 5, 199 | 8 | State: IN Pa | ige: 4 |

^{*} Itallicized indicates values estimated by EPA.

| | | Center Point I | LF | | Landfill Categor | y: Candidate |
|---|---|--------------------------|--|--------------------------|-----------------------------|----------------|
| | A. Gl | ENERAL LANDFILL I | NFORMATI | ON | | |
| Landfill Owner Type: Particle Alternative Landfill Name: | fid-American Waste S rivate enter Point | Y D | nnual Accept ear Annual A esign Capacit cres Currentl | cceptance l y (tons): | Rate Reported: | 79,404 1993 |
| County: | lay | A | verage Depth | (feet): | | |
| State: In | N | W | aste-in-Place | (tons): | | 2,529,693 |
| r | 975 | 19 | 998 Waste-in- | Place (tons | s): | 2,529,694 |
| Year Closed: | 994 | | | | | |
| | | B. LANDFILL GAS CO | | | | |
| Estimated Methane Generation (LFG Collection System Status: Current LFG Collected (mmscf/c Collection and Treatment System | 1): | S/EG: | 1.07 No | | | |
| | (| C. LANDFILL GAS UT | ILIZATION | | | |
| Current Utilization: Utilization System Status: Utilization System Type: Utilization System Start Yes Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): | Unknown Unknown ar: | | | | | |
| Capacity: | Electricit | y Generation Project (MV | W) C | R | Direct Use Project (mmBtu | /hr) |
| Estimated Potential Capacity Current Capacity: Planned Capacity: | | | 3 | | | 33 |
| Utilities in County: | Morgan Cou | nty Rural E M C; Parke C | County Rural | E M C; PSI | Energy Inc; South Central I | ndiana REM |
| | D. ENVIR | ONMENTAL BENEFI | TS OF UTIL | IZATION | | |
| | | Pote | ential | | Current | |
| Methane Reduction (tons/yr): CO2 Equivalent of CH4 Reduction | on (tons/yr): | | | 6,158 29,308 | | 0 |
| Emissions Avoided by Fossil Fue | el Displacement: | Electricity Gene | ration Projec | t | Direct Use Proj | ect |
| | | CO2 (tons/yr) | SO2 (ton | s/yr) | CO2 (tons/yr) | SO2 (tons/yr) |
| | Coal: | 26,046 | | 165 | 18,543 | 169 |
| | Fuel Oil: | 21,378 | | 138 | 15,219 | 89 |
| | Natural Gas: | 14,375 | | 0 | 10,233 | 0 |
| | | E. CONTACT INFOR | MATION | | | |
| | Landfill (| | | | Landfill Operator | |
| Contact Name: | | | | | | |
| Mailing Address: | | | | Walnut Stre Sox 156 | eet | |
| Phone Number: | | | | | | |
| Fax Number: | | | | | | |
| * Itallicized indicates values estin | nated by EPA. | Dece | ember 5, 1998 | 3 | State: IN Pa | ge: 5 |

^{*} Itallicized indicates values estimated by EPA.

Chambers/Liberty LF Landfill Category: Candidate A. GENERAL LANDFILL INFORMATION Landfill Owner: USA Waste Services, Inc. Annual Acceptance Rate (tons): 247,637 Landfill Owner Type: Private Year Annual Acceptance Rate Reported: 1996 Alternative Landfill Name: Liberty LF Design Capacity (tons): City: Monticello Acres Currently Landfilled (acres): County: White Average Depth (feet): State: ΙN Waste-in-Place (tons): 3,714,555 Year Open: 1998 Waste-in-Place (tons): 10,291,953 1982 Year Closed: 2015 **B. LANDFILL GAS COLLECTION** 3.05 Estimated Methane Generation (mmscf/d): LFG Collection System Status: Current LFG Collected (mmscf/d): Collection and Treatment System Required Under NSPS/EG: No C. LANDFILL GAS UTILIZATION

Current Utilization:

Utilization System Status: Planned

Utilization System Type: Leachate Evaporation

Utilization System Start Year: Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s):

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

Estimated Potential Capacity:

Current Capacity:

Planned Capacity:

Utilities in County: Brookston Muni Utilities; Carroll County Rural E M C; Chalmers Muni Electric Dept; Jasper County

| D. ENVIR | RONMENTAL BENEFI | TS OF UTILIZATION | | | |
|--|--------------------------------|-------------------|--------------------|---------------|--|
| | Pote | ential | Current | | |
| Methane Reduction (tons/yr): | | 17,636 | | 0 | |
| CO2 Equivalent of CH4 Reduction (tons/yr): | | 370,362 | 0 | | |
| Emissions Avoided by Fossil Fuel Displacement: | Electricity Generation Project | | Direct Use Project | | |
| | CO2 (tons/yr) | SO2 (tons/yr) | CO2 (tons/yr) | SO2 (tons/yr) | |
| Coal: | 74,981 | 474 | 53,109 | 483 | |
| Fuel Oil: | 61,541 | 396 | 43,590 | 254 | |
| Natural Gas: | 41,381 | 0 | 29,310 | 0 | |

E. CONTACT INFORMATION

Landfill Operator

Landfill Owner

| | | Zanam operator |
|---------------------------|--------------------------|--------------------------|
| Contact Name: | Tim Haaf | Tim Haaf |
| Mailing Address: | 8635 East State route 16 | 8635 East State route 16 |
| Phone Number: Fax Number: | 219-278-7139 | 219-278-7139 |

^{*} Itallicized indicates values estimated by EPA. December 5, 1998 State: IN Page: 6



STAR Version 1.0 / LMOP

| | | | Clark-Floyd Ll | 7 | | Landfill Category | : Candidate |
|------------------------|------------------|-----------------|---------------------------|--------------|-----------------|--|---------------|
| | | A. G | ENERAL LANDFILL IN | FORMAT | ON | | |
| Landfill Owner: | Clark-F | Floyd | An | nual Accept | ance Rate (tons | s): | 168,081 |
| Landfill Owner Type: | Private | | Yea | ar Annual A | cceptance Rate | e Reported: | 1996 |
| Alternative Landfill N | ame: | | Des | sign Capaci | ty (tons): | | |
| City: | Clarksv | ville | Acı | res Currentl | y Landfilled (a | cres): | |
| County: | Clark | | Av | erage Depth | (feet): | | |
| State: | IN | | Wa | ste-in-Place | (tons): | | 4,033,944 |
| Year Open: | 1973 | | 199 | 8 Waste-in | Place (tons): | | 4,180,774 |
| Year Closed: | 2001 | | | | | | |
| | | I | B. LANDFILL GAS COL | LECTION | | | |
| Estimated Methane Ge | eneration (mmsc | f/d): | | 1.49 | | | |
| LFG Collection System | | , | | | | | |
| Current LFG Collected | | | | | | | |
| Collection and Treatm | | uired Under NSF | S/EG: | No | | | |
| | J 1 | | C. LANDFILL GAS UTII | LIZATION | | | |
| Current Utilization: | | | | | | | |
| Utilization Syster | n Status: | Potential | | | | | |
| Utilization System | | Unknown | | | | | |
| Utilization System | | Chillown | | | | | |
| Electric Utility Pr | | | | | | | |
| Natural Gas Prov | | | | | | | |
| Energy Purchaser | ` ' | | | | | | |
| Energy Furchaser | (8). | | | | | | |
| Capacity: | | Electrici | ty Generation Project (MW |) (| DR D | irect Use Project (mmBtu/ | nr) |
| Estimated Potent | ial Capacity: | | | 5 | | | 47 |
| Current Capacity: | : | | | | | | |
| Planned Capacity | : | | | | | | |
| Utilities in County: | | Clark Count | y Rural E M C; Harrison C | ounty Pural | F M C: Jackso | on County Rural F M C · PS | I Energy |
| Othnies in County. | | | | | | —————————————————————————————————————— | of Energy |
| | | D. ENVIR | CONMENTAL BENEFIT | | AZATION | | |
| | | | Poten | tial | | Current | |
| Methane Reduction (to | - · | | | | 8,599 | | 0 |
| CO2 Equivalent of CH | 14 Reduction (to | ns/yr): | | 1 | 80,581 | | 0 |
| Emissions Avoided by | Fossil Fuel Disa | Jacomont: | Electricity Genera | ution Proise | <i>t</i> | Direct Use Proje | at . |
| Emissions Avoided by | rossii ruei Disp | лисетені. | CO2 (tons/yr) | SO2 (ton | | | O2 (tons/yr) |
| | | | CO2 (tons/yr) | 302 (10h | (3/ y1) | CO2 (tons/yr) 3 | O2 (tolts/yr) |
| | | Coal: | 36,307 | | 230 | 25,895 | 236 |
| | | Fuel Oil: | 29,799 | | 192 | 21,254 | 124 |
| | N | atural Gas: | 20,037 | | 0 | 14,291 | 0 |
| | | | E. CONTACT INFORM | ATION | | <u> </u> | |
| | | Landfill (| | AATION | | Landfill Operator | |
| Contact Name: | Paul Garrett | | | Phil C | | 1 | |
| | | | | | | | |
| Mailing Address: | | | | PO Bo | ox 2128 | | |
| Phone Number: | | | | 812 0 | 45-5976 | | |
| | | | | 012-9 | TJ-J/10 | | |
| Fax Number: | | | | | | | |
| | l | | | | | | |

 $^{* \ \}textit{Itallicized indicates values estimated by EPA}.$

State: IN Page:

7

| | | Coal Bluff I | F | | Landfill Catego | ory: Candidate |
|--|-----------------------------|--------------------------|-------------------------------|--------------|-------------------------------|----------------|
| | A. G | ENERAL LANDFILL I | NFORMAT | ION | | |
| | idlaw Waste Systems vate | Y | Annual Accep Tear Annual A | Acceptance I | tons): Rate Reported: | 143,000 |
| | rre Haute | | cres Current | • | d (acres): | |
| County: Vi | go | | verage Deptl | - | | |
| State: IN | _ | | Vaste-in-Place | | | 2,145,000 |
| Year Open: 19' | 75 | | 998 Waste-in | | y): | 2,145,000 |
| Year Closed: 198 | | | | , | , | , , |
| | I | B. LANDFILL GAS CO | LLECTION | I | | |
| Estimated Methane Generation (n LFG Collection System Status: Current LFG Collected (mmscf/d) Collection and Treatment System | : | 'S/EG: | 0.97 No | | | |
| | | C. LANDFILL GAS UT | TLIZATION | N . | | |
| Current Utilization: Utilization System Status: Utilization System Type: Utilization System Start Year Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): | Potential Unknown r: | | | | | |
| Capacity: | Electrici | ty Generation Project (M | W) (| OR | Direct Use Project (mmBt | tu/hr) |
| Estimated Potential Capacity Current Capacity: Planned Capacity: | | , | 3 | | | 30 |
| | | | | | | |
| Utilities in County: | | | | - | Rural E M C; Utilities Dist o | of Western |
| | D. ENVIR | RONMENTAL BENEFI | TS OF UTI | LIZATION | | |
| | | Pot | ential | | Current | |
| Methane Reduction (tons/yr): | | | | 5,589 | | 0 |
| CO2 Equivalent of CH4 Reduction | n (tons/yr): | | | 117,361 | | 0 |
| Emissions Avoided by Fossil Fuel | Displacement: | Electricity Gene | ration Projec | ot | Direct Use Pro | niact |
| Emissions Avoided by Possii Puel | Бізрійсетені. | CO2 (tons/yr) | SO2 (toi | | CO2 (tons/yr) | SO2 (tons/yr) |
| | | , , | 502 (101 | - ' | · · | |
| | Coal: | 23,678 | | 150 | 16,829 | 153 |
| | Fuel Oil: | 19,434 | | 125 | 13,813 | 81 |
| | Natural Gas: | 13,068 | | 0 | 9,288 | 0 |
| | | E. CONTACT INFO | RMATION | | | |
| | Landfill (| Owner | | | Landfill Operator | |
| Contact Name: | | | Terry | Niece | | |
| Mailing Address: | | | Coal | Bluff Road | | |
| Phone Number: | | | 312-4 | 39-6686 | | |
| Fax Number: | | | | | | |
| * Itallicized indicates values estima | ated by EPA. | Dec | ember 5, 199 | 98 | State: IN P | age: 8 |

^{*} Itallicized indicates values estimated by EPA.

| | | | County Line I | LF | | Landfill Catego | ry: Current | |
|---------------------------|------------------|--|--------------------------|--|-------------|---------------------------|---------------|--|
| | | A. G | ENERAL LANDFILL I | NFORMAT | ION | | | |
| Landfill Owner: | Allied | Waste Industries | A | nnual Accept | ance Rate | (tons): | 70,191 | |
| Landfill Owner Type: | Private | | Ye | Year Annual Acceptance Rate Reported: 19 | | | | |
| Alternative Landfill Na | ame: | | De | Design Capacity (tons): | | | | |
| City: | Argos | | | cres Currentl | | d (acres): | | |
| County: | Fulton | | | verage Depth | - | ` ' | | |
| State: | IN | | | aste-in-Place | | | 982,674 | |
| Year Open: | 1983 | | | 998 Waste-in | | s): | 1,123,056 | |
| Year Closed: | 2054 | | | | (| -,- | -,, | |
| | | l | B. LANDFILL GAS COI | LLECTION | | | | |
| Estimated Methane Ge | neration (mmsc | f/d): | | 0.71 | | | | |
| LFG Collection System | n Status: | | | | | | | |
| Current LFG Collected | (mmscf/d): | | | | | | | |
| Collection and Treatme | ent System Requ | uired Under NSF | S/EG: | No | | | | |
| | | | C. LANDFILL GAS UT | ILIZATION | Ī | | | |
| Current Utilization: | | | | | | | | |
| Utilization Systen | n Status: | Construction | l | | | | | |
| Utilization Systen | n Type: | Reciprocatin | g Engine | | | | | |
| Utilization Systen | | 1999 | | | | | | |
| Electric Utility Pr | | | | | | | | |
| Natural Gas Provi | | | | | | | | |
| Energy Purchaser | * * | | | | | | | |
| | (~). | | | | | | | |
| Capacity: | | Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) | | | | | | |
| Estimated Potenti | al Capacity: | | | 2 | | | 22 | |
| Current Capacity: | | | | | | | | |
| Planned Capacity | | | | | | | | |
| Utilities in County: | | Fulton Coun | tv Rural E M C: Kosciusk | to County Ru | ıral E M C: | Marshall County Rural E M | C: Norther | |
| | | | RONMENTAL BENEFI | | | <u> </u> | -, | |
| | | D. LIVVII | | ential | | Current | | |
| Methane Reduction (to | nchir). | | 1 Ole | пиш | 4,077 | Current | 0 | |
| CO2 Equivalent of CH | | ma()). | | | 85,625 | | 0 | |
| CO2 Equivalent of CH | 4 Reauction (to) | ns/yr): | | | 85,025 | | 0 | |
| Emissions Avoided by | Fossil Fuel Disp | olacement: | Electricity Gener | ration Projec | t | Direct Use Pro | ject | |
| | | | CO2 (tons/yr) | SO2 (tor | ıs/yr) | CO2 (tons/yr) | SO2 (tons/yr) | |
| | | Coal: | 17,364 | | 110 | 12,279 | 112 | |
| | | | | | | | | |
| | | Fuel Oil: | 14,252 | | 92 | 10,078 | 59 | |
| | N | atural Gas: | 9,583 | | 0 | 6,776 | 0 | |
| | | I JC'11 | E. CONTACT INFOR | MATION | | Landell Ozzasta | | |
| | | Landfill | Jwner | | | Landfill Operator | | |
| Contact Name: | Gene Horn | | | Tony | Schroeder | | | |
| Mailing Address: | | | | | | | | |
| | | | | | | | | |
| Phone Number: | | | | 219-8 | 92-6483 | | | |
| | | | | 217-0 | 0403 | | | |
| Fax Number: | | | | | | | | |
| * Itallicized indicates v | alues estimated | by EPA. | Dece | ember 5, 199 | 8 | State: IN Pa | ige: 9 | |

Earthmovers LF Landfill Category: Candidate A. GENERAL LANDFILL INFORMATION Landfill Owner: USA Waste Services, Inc. Annual Acceptance Rate (tons): 194,838 Landfill Owner Type: Private Year Annual Acceptance Rate Reported: 1996 Alternative Landfill Name: Design Capacity (tons): City: Elkhart Acres Currently Landfilled (acres): County: Elkhart Average Depth (feet): State: IN Waste-in-Place (tons): 4,091,598 Year Open: 1976 1998 Waste-in-Place (tons): 4,932,488 Year Closed: 2007 **B. LANDFILL GAS COLLECTION** Estimated Methane Generation (mmscf/d): 1.68 LFG Collection System Status: Current LFG Collected (mmscf/d): Collection and Treatment System Required Under NSPS/EG: No C. LANDFILL GAS UTILIZATION Current Utilization: **Utilization System Status:** Unknown Utilization System Type: Unknown Utilization System Start Year: Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Estimated Potential Capacity: 5 53 Current Capacity: Planned Capacity: Fruit Belt Electric Coop; Indiana Michigan Power Co; La Grange County Rural E M C; Marshall Cou Utilities in County: D. ENVIRONMENTAL BENEFITS OF UTILIZATION Potential Current Methane Reduction (tons/yr): 9,711 0 CO2 Equivalent of CH4 Reduction (tons/yr): 203,927 0 Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project Direct Use Project CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr) SO2 (tons/yr) Coal: 41,042 259 29,243 266 Fuel Oil: 140 33,686 217 24,001 Natural Gas: 22,651 0 0 16,139 E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Thomas Quinn, P.E. Richard Barr Mailing Address: 31725 N. Route 83 PO Box 966 Phone Number: 847-223-2722 219-875-5232

* Itallicized indicates values estimated by EPA. December 5, 1998 State: IN Page: 10



Fax Number:

Elkhart County - CR 7 LF Landfill Category: Candidate A. GENERAL LANDFILL INFORMATION Landfill Owner: Elkhart County Annual Acceptance Rate (tons): 138,152 Landfill Owner Type: Public Year Annual Acceptance Rate Reported: 1996 Alternative Landfill Name: Design Capacity (tons): City: Goshen Acres Currently Landfilled (acres): County: Elkhart Average Depth (feet): State: ΙN Waste-in-Place (tons): 2,624,888 Year Open: 2,794,512 1978 1998 Waste-in-Place (tons): Year Closed: 2014 **B. LANDFILL GAS COLLECTION** Estimated Methane Generation (mmscf/d): 1.13 LFG Collection System Status: Current LFG Collected (mmscf/d): Collection and Treatment System Required Under NSPS/EG: No C. LANDFILL GAS UTILIZATION Current Utilization: **Utilization System Status:** Potential Utilization System Type: Unknown Utilization System Start Year: Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Estimated Potential Capacity: 4 35 Current Capacity: Planned Capacity: Utilities in County: Fruit Belt Electric Coop; Indiana Michigan Power Co; La Grange County Rural E M C; Marshall Cou D. ENVIRONMENTAL BENEFITS OF UTILIZATION **Potential** Current

| | 1 oie | muu | Cultelli | | |
|--|-------------------|----------------|------------------------|---------------|--|
| Methane Reduction (tons/yr): | | 6,549 | 0 | | |
| CO2 Equivalent of CH4 Reduction (tons/yr): | | 137,531 | 0 | | |
| Emissions Avoided by Fossil Fuel Displacement: | Electricity Gener | ration Project | ect Direct Use Project | | |
| | CO2 (tons/yr) | SO2 (tons/yr) | CO2 (tons/yr) | SO2 (tons/yr) | |
| Coal: | 27,625 | 175 | 19,722 | 180 | |
| Fuel Oil: | 22,673 | 146 | 16,187 | 94 | |
| Natural Gas: | 15,246 | 0 | 10,884 | 0 | |

E. CONTACT INFORMATION

Landfill Operator

11

Landfill Owner

Contact Name: Thomas Byers Thomas Byers Mailing Address: 4230 Elkhart Rd 4230 Elkhart Rd Phone Number: 219-875-3337 219-875-3337 Fax Number:

* Itallicized indicates values estimated by EPA. December 5, 1998 State: IN Page:



| | | | Gary Sanitary | LF | | Landfill Cate | egory: | Candidate |
|-------------------------|---------------------|--------------|--------------------------|----------------|------------------|----------------------|---------|-------------|
| | | A. Gl | ENERAL LANDFILL I | | ON | | J J. | |
| Landfill Owner: | Continenta | al Waste | | - | ance Rate (tons | | | 674,113 |
| Landfill Owner Type: | | | | | cceptance Rate | Reported: | | 1996 |
| Alternative Landfill Na | ame: | | | Design Capacit | • • | | | |
| City: | | | | | y Landfilled (ac | res): | | |
| County: | Lake | | | Average Depth | | | | |
| State: | IN | | V | Vaste-in-Place | (tons): | | 1 | 7,526,938 |
| Year Open: | 1971 | | I | 998 Waste-in- | Place (tons): | | | 5,954,844 |
| Year Closed: | | | A LANDENIA GAGGO | T T COTTON | | | | |
| | | | B. LANDFILL GAS CO | LLECTION | | | | |
| Estimated Methane Ger | |): | | 1.94 | | | | |
| LFG Collection System | | | | | | | | |
| Current LFG Collected | | | | | | | | |
| Collection and Treatme | ent System Require | | | No | | | | |
| | | (| C. LANDFILL GAS UT | TILIZATION | | | | |
| Current Utilization: | | | | | | | | |
| Utilization System | n Status: | Planned | | | | | | |
| Utilization System | n Type: | Reciprocatin | g Engine | | | | | |
| Utilization System | n Start Year: | | | | | | | |
| Electric Utility Pro | ovider(s): | | | | | | | |
| Natural Gas Provid | der(s): | | | | | | | |
| Energy Purchaser(| (s): | Nipsco | | | | | | |
| | | | | | | | | |
| Capacity: | | Electricit | y Generation Project (M | (W) C | OR Di | rect Use Project (mm | Btu/hr |) |
| Estimated Potentia | al Capacity: | | | 6 | | | | 61 |
| Current Capacity: | | | | | | | | |
| Planned Capacity: | : | | | | | | | |
| Utilities in County: | | Kankakee V | alley Rural E M C; North | nern Indiana P | uh Serv Co | | | |
| Ctimites in County. | | | CONMENTAL BENEF | | | | | |
| | | D. ENVIR | | | IZATION | | | |
| | | | Por | tential | | Curre | ent | |
| Methane Reduction (to | • • | | | _ | 11,223 | | | 0 |
| CO2 Equivalent of CH4 | 4 Reduction (tons/ | yr): | | 2 | 235,675 | | | 0 |
| Emissions Avoided by I | Fossil Fuel Displac | cement: | Electricity Gene | eration Projec | t | Direct Use I | Project | |
| 2ssions irrotaca oy i | ossu i ner 2 ispien | | CO2 (tons/yr) | SO2 (ton | | CO2 (tons/yr) | - | 2 (tons/yr) |
| | | Coal: | | 502 (10.1 | 304 | | 50. | 308 |
| | | | 48,146 | | | 33,795 | | |
| | | Fuel Oil: | 39,516 | | 254 | 27,738 | | 162 |
| | Natu | ıral Gas: | 26,571 | | 0 | 18,651 | | 0 |
| | | | E. CONTACT INFO | RMATION | ' | | | |
| | | Landfill (| Owner | | I | Landfill Operator | | |
| Contact Name: | | | | Jerry I | Marks | | | |
| Mailing Address: | | | | | Burr Street | | | |
| Maining Address. | | | | 1 300 1 | Juli Bucci | | | |
| Dhone Numb | | | | | | | | |
| Phone Number: | | | | 219-94 | 44-1077 | | | |
| Fax Number: | | | | | | | | |
| | | | | | | | | |

* Itallicized indicates values estimated by EPA. December 5, 1998 State: IN Page: 12



Hancock County LF Landfill Category: Candidate A. GENERAL LANDFILL INFORMATION Landfill Owner: Caldwells Gravel Company Annual Acceptance Rate (tons): 42,579 Landfill Owner Type: Private Year Annual Acceptance Rate Reported: 1996 Alternative Landfill Name: Design Capacity (tons): City: Acres Currently Landfilled (acres): County: Hancock Average Depth (feet): State: ΙN Waste-in-Place (tons): 1,107,054 Year Open: 1971 1998 Waste-in-Place (tons): 2,623,320 Year Closed: 2005 **B. LANDFILL GAS COLLECTION** 1.09 Estimated Methane Generation (mmscf/d): LFG Collection System Status: Current LFG Collected (mmscf/d): Collection and Treatment System Required Under NSPS/EG: No C. LANDFILL GAS UTILIZATION Current Utilization: **Utilization System Status:** Unknown Utilization System Type: Unknown Utilization System Start Year: Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Estimated Potential Capacity: 3 34 Current Capacity: Planned Capacity: Central Indiana Power; Greenfield Power & Light; Henry County Rural E M C; PSI Energy Inc; Rush Utilities in County: D. ENVIRONMENTAL BENEFITS OF UTILIZATION Potential Current Methane Reduction (tons/yr): 6,296 0 CO2 Equivalent of CH4 Reduction (tons/yr): 132.216 0 Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project Direct Use Project CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr) SO2 (tons/yr) Coal: 26,835 170 18,960 173 Fuel Oil: 91 22,025 142 15,561 Natural Gas: 0 10,464 0 14,810 E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Dana Caldwell Dana Caldwell Mailing Address: PO Box 212 PO Box 212 Phone Number: 317-763-6258 317-763-6258

* Itallicized indicates values estimated by EPA. December 5, 1998 State: IN Page: 13



Fax Number:

| | | | Hayes LF | | | Landfill Catego | ry: Candidate |
|------------------------------|----------------|-------------------|--------------------------|----------------|--------------|-------------------------------|---------------|
| | | A. G | ENERAL LANDFILL I | NFORMAT | ION | , , | |
| Landfill Owner: | | | A | nnual Accept | tance Rate (| (tons): | 81,888 |
| Landfill Owner Type: | Public | | Y | ear Annual A | cceptance 1 | Rate Reported: | 1996 |
| Alternative Landfill Name | e: | | D | esign Capaci | ty (tons): | | |
| City: | | | A | cres Currentl | y Landfille | d (acres): | |
| County: | Henry | | A | verage Depth | (feet): | | |
| State: | IN | | W | aste-in-Place | e (tons): | | 1,801,536 |
| Year Open: | 1975 | | 19 | 998 Waste-in | -Place (tons | s): | 1,943,016 |
| Year Closed: | 2001 | | | | | , | |
| | | I | B. LANDFILL GAS CO | LLECTION | | | |
| Estimated Methane Gener | ration (mmscj | ⁵ /d): | | 0.91 | | | |
| LFG Collection System S | tatus: | | | | | | |
| Current LFG Collected (n | nmscf/d): | | | | | | |
| Collection and Treatment | System Requ | | | No | | | |
| | | (| C. LANDFILL GAS UT | ILIZATION | | | |
| Current Utilization: | | | | | | | |
| Utilization System S | | Unknown | | | | | |
| Utilization System T | | Unknown | | | | | |
| Utilization System S | | | | | | | |
| Electric Utility Provi | der(s): | | | | | | |
| Natural Gas Provider | r(s): | | | | | | |
| Energy Purchaser(s): | : | | | | | | |
| Capacity: | | Electrici | y Generation Project (M | W) (|)R | Direct Use Project (mmBtr | u/hr) |
| Estimated Potential | Capacity: | | | 3 | | | 29 |
| Current Capacity: | | | | | | | |
| Planned Capacity: | | | | | | | |
| Utilities in County: | | Dunreith Ele | ctric Dept; Henry County | Rural E M C | C; Knightsto | own Electric Utility; Lewisvi | lle Muni L |
| | | D. ENVIR | ONMENTAL BENEFI | TS OF UTII | LIZATION | | |
| | | | Pote | ential | | Current | |
| Methane Reduction (tons/ | (yr): | | | | 5,290 | | 0 |
| CO2 Equivalent of CH4 F | Reduction (tor | ıs/yr): | | | 111,088 | | 0 |
| Emissions Avoided by Fos | esil Fuel Disn | lacoment | Electricity Gene | ration Project | •+ | Direct Use Pro | inat |
| Emissions Avoided by Fos | ssи r иет Disp | исетет. | CO2 (tons/yr) | SO2 (toi | | CO2 (tons/yr) | SO2 (tons/yr) |
| | | G 1 | , , , | 502 (101 | | | |
| | | Coal: | 22,889 | | 145 | 15,930 | 145 |
| | | Fuel Oil: | 18,786 | | 121 | 13,075 | 76 |
| | No | atural Gas: | 12,632 | | 0 | 8,792 | 0 |
| | | Landfill (| E. CONTACT INFOR | RMATION | | Landfill Operator | |
| C + N | | Landini | Jwner | | | Landini Operator | |
| Contact Name: Bo | everly Hayes | | | Randy | / Hayes | | |
| Mailing Address: | | | | | | | |
| Dhono Numban | | | | | ••• | | |
| Phone Number: | | | | 317-5 | 29-2337 | | |
| Fax Number: | | | | | | | |
| * Itallicized indicates valu | es estimated | by EPA. | Dec | ember 5, 199 | 8 | State: IN Pa | nge: 14 |

^{*} Itallicized indicates values estimated by EPA.

Jay County LF Landfill Category: Candidate A. GENERAL LANDFILL INFORMATION Landfill Owner: USA Waste Services, Inc. Annual Acceptance Rate (tons): 80,487 Landfill Owner Type: Private Year Annual Acceptance Rate Reported: 1996 Alternative Landfill Name: Design Capacity (tons): City: Portland Acres Currently Landfilled (acres): County: Jay Average Depth (feet): State: ΙN Waste-in-Place (tons): 1,770,714 Year Open: 1975 1998 Waste-in-Place (tons): 6,164,520 Year Closed: 2004 **B. LANDFILL GAS COLLECTION** 1.99 Estimated Methane Generation (mmscf/d): LFG Collection System Status: Current LFG Collected (mmscf/d): Collection and Treatment System Required Under NSPS/EG: No C. LANDFILL GAS UTILIZATION Current Utilization: **Utilization System Status:** Potential Utilization System Type: Unknown Utilization System Start Year: Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Estimated Potential Capacity: 6 62 Current Capacity: Planned Capacity: Indiana Michigan Power Co; Jay County Rural E M C Utilities in County: D. ENVIRONMENTAL BENEFITS OF UTILIZATION Potential Current Methane Reduction (tons/yr): 11,533 0 CO2 Equivalent of CH4 Reduction (tons/yr): 242,187 0 Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project Direct Use Project CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr) SO2 (tons/yr) Coal: 48,935 309 34,729 316 Fuel Oil: 40,164 259 28,504 166 Natural Gas: 0 0 27,007 19,167 E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Tim Giardina Tim Giardina Mailing Address: 2323 East 850 North 2323 East 850 North PO Box 403 PO Box 403 Phone Number: 219-638-4145 219-638-4145

* Itallicized indicates values estimated by EPA. December 5, 1998 State: IN Page: 15



Fax Number:

LaPorte County RDF Landfill Category: Current A. GENERAL LANDFILL INFORMATION Landfill Owner: WMI Annual Acceptance Rate (tons): 566,470 Landfill Owner Type: Public Year Annual Acceptance Rate Reported: 1996 Alternative Landfill Name: Deercroft LF Design Capacity (tons): City: Acres Currently Landfilled (acres): County: La Porte Average Depth (feet): State: ΙN Waste-in-Place (tons): 10,196,460 Year Open: 1979 12,254,994 1998 Waste-in-Place (tons): Year Closed: 1996 **B. LANDFILL GAS COLLECTION** Estimated Methane Generation (mmscf/d): 3.55 LFG Collection System Status: Current LFG Collected (mmscf/d): Collection and Treatment System Required Under NSPS/EG: No C. LANDFILL GAS UTILIZATION Current Utilization: **Utilization System Status:** Operational Utilization System Type: Reciprocating Engine Utilization System Start Year: Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) 111 Estimated Potential Capacity: 11 Current Capacity: Planned Capacity: Kankakee Valley Rural E M C; Kingsford Heights Munic Utils; Northern Indiana Pub Serv Co Utilities in County: D. ENVIRONMENTAL BENEFITS OF UTILIZATION Potential Current Methane Reduction (tons/yr): 20,539 0 CO2 Equivalent of CH4 Reduction (tons/yr): 431,323 0 Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project Direct Use Project CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr) SO2 (tons/yr) Coal: 87,610 554 61,851 563 Fuel Oil: 296 71,906 463 50,765 Natural Gas: 0 0 48.351 34,135 E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Denny Johnson Denny Johnson Mailing Address: PO Box 8988 Phone Number: 219-879-4653 Fax Number:

* Itallicized indicates values estimated by EPA.

STAR invest to the form

Laidlaw South LF Landfill Category: Current A. GENERAL LANDFILL INFORMATION Landfill Owner: BFI Annual Acceptance Rate (tons): 268,363 Landfill Owner Type: Private Year Annual Acceptance Rate Reported: 1996 Alternative Landfill Name: Southside LF; Yaw Hill Design Capacity (tons): City: Indianapolis Acres Currently Landfilled (acres): County: Marion Average Depth (feet): State: IN Waste-in-Place (tons): 5,903,986 1975 Year Open: 1998 Waste-in-Place (tons): 6,378,072 Year Closed: 2006 **B. LANDFILL GAS COLLECTION** Estimated Methane Generation (mmscf/d): 2.05 LFG Collection System Status: Current LFG Collected (mmscf/d): Collection and Treatment System Required Under NSPS/EG: No C. LANDFILL GAS UTILIZATION Current Utilization: **Utilization System Status:** Operational Utilization System Type: Reciprocating Engine Utilization System Start Year: Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Estimated Potential Capacity: 6 64 Current Capacity: Planned Capacity: Parke County Rural E M C; PSI Energy Inc; Sullivan County Rural E M C; Utilities Dist of Western Utilities in County: D. ENVIRONMENTAL BENEFITS OF UTILIZATION Potential Current Methane Reduction (tons/yr): 11,849 0 CO2 Equivalent of CH4 Reduction (tons/yr): 248,819 0 Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project Direct Use Project CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr) SO2 (tons/yr) Coal: 50,514 319 35,680 325 Fuel Oil: 41,459 267 29,285 171 Natural Gas: 0 0 27.878 19.691 E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: John Balkema Scott Fitzgerald Mailing Address: 2314 Miller Road 2561 Kentucky Ave Phone Number: 616-388-3346 317-247-6808

* Itallicized indicates values estimated by EPA. December 5, 1998 State: IN Page: 17



Fax Number:

| | | | National Serv-All | IE | I 1611 C | C | |
|--|-------------------|--------------------|--|----------------------|--------------------------------|-----------------|--|
| | | A. G | National Serv-All ENERAL LANDFILL IN | | Landfill Catego | ry: Current | |
| Landfill Owner: | D1 1 | | | nual Acceptance Ra | oto (tons): | 227 502 | |
| | Republ Private | ic Industries, Inc | | • | | 337,593 1996 | |
| Landfill Owner Type: | | | | ar Annual Acceptan | - | 1996 | |
| Alternative Landfill N | | | | sign Capacity (tons) | | | |
| City: | Fort W Allen | ayne | | res Currently Landf | filled (acres): | | |
| County: | | | | erage Depth (feet): | | 0.115.011 | |
| State: | IN 1070 | | | ste-in-Place (tons): | | 9,115,011 | |
| Year Open: | 1970 | | 199 | 98 Waste-in-Place (| tons): | 13,130,475 | |
| Year Closed: | 2012 | 1 | B. LANDFILL GAS COL | FCTION | | | |
| Estimated Mathematic | | | D. LANDFILL GAS COL | | | | |
| Estimated Methane Ge | - | J/a): | | 3.78 | | | |
| LFG Collection System | | | | 5.4 | | | |
| Current LFG Collected | , | · III I NOI | 00 /E/C | 5.4 | | | |
| Collection and Treatm | ent System Req | | ² S/EG: C . LANDFILL GAS UTII | No | | | |
| | | | C. LANDFILL GAS UTII | LIZATION | | | |
| Current Utilization: | | | | | | | |
| Utilization Syster | n Status: | Operational | | | | | |
| Utilization Syster | | Direct Therr | nal | | | | |
| Utilization Syster | n Start Year: | | | | | | |
| Electric Utility Pr | rovider(s): | Unknown | | | | | |
| Natural Gas Prov | ider(s): | Unknown | | | | | |
| Energy Purchaser(s): 1. Brooks Asphalt (actual user) | | | | | | | |
| Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) | | | | | | | |
| Estimated Potenti | ial Canacity: | | | 12 | | 118 | |
| Current Capacity: | | | | 12 | | 113 | |
| Planned Capacity | | | | | | 113 | |
| Trainied Capacity | • | | | | | | |
| Utilities in County: | | Indiana Mic | higan Power Co; Noble Co | unty Rural E M C; | Northeastern Rural E M C; Paul | ding-Putna | |
| | | D. ENVII | RONMENTAL BENEFIT | S OF UTILIZATI | ION | | |
| | | | Poten | ntial | Current | | |
| Methane Reduction (to | ons/yr): | | | 21,834 | | 20,814 | |
| CO2 Equivalent of CH | I4 Reduction (to | ns/yr): | | 458,512 | | 437,090 | |
| T | E "E 15" | • | FI | | DI VI D | | |
| Emissions Avoided by | Fossil Fuel Disp | olacement: | Electricity Genera | - | Direct Use Pro | | |
| | | | CO2 (tons/yr) | SO2 (tons/yr) | CO2 (tons/yr) | SO2 (tons/yr) | |
| | | Coal: | 93,135 | 589 | 65,750 | 598 | |
| | | Fuel Oil: | 76,441 | 492 | 53,964 | 315 | |
| | N | atural Gas: | 51,400 | 0 | 36,286 | 0 | |
| | | | E. CONTACT INFORM | MATION | | | |
| | | Landfill | Owner | | Landfill Operator | | |
| Contact Name: | Greg Wallbrid | ge | | Chuck Wallbr | ridge | | |
| Mailing Address: | 6231 MacBeth | _ | | 6231 McBeth | _ | | |
| Mailing Address: | 0231 MacDeth | Noau | | 0231 WICDEIN | Nu | | |
| Phone Number: | 210.545 :::= | | | 210 515 1115 | , | | |
| | 219-747-4117 | | | 219-747-4117 | 1 | | |
| Fax Number: | | | | | | | |

* Itallicized indicates values estimated by EPA. December 5, 1998 State: IN Page: 18



| | | | New Paris | | DICIPION | Landfill Catego | ry: Candidate |
|--|-----------------|------------------|-----------------------|------------|--------------------|------------------------------|---------------|
| | | A. G | ENERAL LANDFII | LL INFO | ORMATION | | |
| Landfill Owner: | | ond City | | | l Acceptance Rat | | 86,546 |
| Landfill Owner Type: | Public | | | Year A | Annual Acceptance | ce Rate Reported: | 1996 |
| Alternative Landfill N | ame: New P | aris (Richmond); | Richmond LF | _ | n Capacity (tons): | | |
| City: | Richm | ond | | | Currently Landfi | lled (acres): | 90 |
| County: | Wayne | • | | Averag | ge Depth (feet): | | 80 |
| State: | IN | | | Waste | -in-Place (tons): | | 1,817,466 |
| Year Open: | 1976 | | | 1998 V | Waste-in-Place (t | ons): | 1,909,621 |
| Year Closed: | 2021 | | | | | | |
| | | J | B. LANDFILL GAS | COLLE | CTION | | |
| Estimated Methane Ge | eneration (mms | cf/d): | | 0 | 0.91 | | |
| LFG Collection System | | • | | | | | |
| Current LFG Collected | d (mmscf/d): | | | | | | |
| Collection and Treatm | ent System Req | uired Under NSI | PS/EG: | | No | | |
| C. LANDFILL GAS UTILIZATION | | | | | | | |
| Current Utilization: | | | | | | | |
| Utilization System | n Status | Potential | | | | | |
| Utilization System | | Unknown | | | | | |
| _ | | Clikilowii | | | | | |
| Utilization System Start Year: Electric Utility Provider(s): Richmond Power and Light | | | | | | | |
| Natural Gas Prov | | ower and Light | | | | | |
| | - | 0. T : -1-4 | D1 | | | | |
| Energy Purchaser | (S): | Neignbors a | nd Richmond Power | & Light, | ы | | |
| Capacity: | | Electrici | ty Generation Project | t (MW) | OR | Direct Use Project (mmBt | ı/hr) |
| Estimated Potent | ial Capacity: | | | | 3 | | 28 |
| Current Capacity: | : | | | | | | |
| Planned Capacity | : | | | | | | |
| Utilities in County: | | Centerville l | Munic Light & Power | r Dent: Di | ublin Muni Flec | Light System; Hagerstown Mui | ı Light Den |
| Cunities in County. | | | RONMENTAL BEN | | | | - Eight Dep |
| | | D, El () I | | | | | |
| M. I. D. I. C. C. | <i>(</i>) | | | Potentia | | Current | 0 |
| Methane Reduction (to | | | | | 5,241 | | 0 |
| CO2 Equivalent of CH | 4 Reauction (to | ons/yr): | | | 110,053 | | 0 |
| Emissions Avoided by | Fossil Fuel Dis | placement: | Electricity (| Generatio | n Project | Direct Use Pro | ject |
| | | 1 | CO2 (tons/yr) | | SO2 (tons/yr) | CO2 (tons/yr) | SO2 (tons/yr) |
| | | Coal: | 22,10 | 00 | 140 | 15,781 | 144 |
| | | Fuel Oil: | 18,13 | 19 | 117 | 12,953 | 76 |
| | Λ | Natural Gas: | 12,19 | 7 | 0 | 8,710 | 0 |
| | | | E. CONTACT IN | FORMA | TION | | |
| | | Landfill | | | | Landfill Operator | |
| Contact Name: | Joe Bartle, Co | mpliance Manag | er | | Joe Bartle | | |
| Mailing Address: | 2380 Liberty | | | | 2380 Liberty A | Avenue | |
| rraining radicess. | 2300 Ellocity 1 | . 1 , 01140 | | | 2300 Diberty F | rondo | |
| Phone Number: | 765-983-7457 | | | | 765-983-7457 | | |

* Itallicized indicates values estimated by EPA. December 5, 1998 State: IN Page: 19



Fax Number:

| | | North Wells I | LF | | Landfill Category: | Candidate |
|--------------------------------------|--------------------|--------------------------|----------------|---------------|-------------------------------|--------------|
| | A. Gl | ENERAL LANDFILL I | NFORMAT | ION | , , | |
| Landfill Owner: No | orth Wells | A | nnual Accept | ance Rate (| (tons): | 98,193 |
| Landfill Owner Type: Pri | ivate | | - | | Rate Reported: | 1993 |
| Alternative Landfill Name: | | | esign Capaci | - | • | |
| City: | | | cres Currentl | | d (acres): | |
| • | ells | | verage Depth | - | ` ' | |
| State: IN | | | /aste-in-Place | | | 1,331,427 |
| Year Open: 19 | 75 | | 998 Waste-in- | ` ′ | s): | 1,331,426 |
| Year Closed: 19 | | | y o y out ou | 1 10000 (107) | .,. | 1,001,120 |
| | I | B. LANDFILL GAS CO | LLECTION | | | |
| Estimated Methane Generation (n | nmscf/d): | | 0.76 | | | |
| LFG Collection System Status: | | | | | | |
| Current LFG Collected (mmscf/d) |): | | | | | |
| Collection and Treatment System | Required Under NSP | S/EG: | No | | | |
| | | C. LANDFILL GAS UT | ILIZATION | | | |
| Current Utilization: | | | | | | |
| Utilization System Status: | Unknown | | | | | |
| Utilization System Type: | Unknown | | | | | |
| Utilization System Start Year | r: | | | | | |
| Electric Utility Provider(s): | | | | | | |
| Natural Gas Provider(s): | | | | | | |
| Energy Purchaser(s): | | | | | | |
| | | | | _ | | |
| Capacity: | | ty Generation Project (M | W) (| OR | Direct Use Project (mmBtu/h | |
| Estimated Potential Capacity | y: | | 2 | | | 24 |
| Current Capacity: | | | | | | |
| Planned Capacity: | | | | | | |
| Utilities in County: | Bluffton Mu | nic Light & Water Works | ; Indiana Mic | chigan Pow | er Co; Jay County Rural E M C | ; United |
| | D. ENVIR | CONMENTAL BENEFI | TS OF UTII | LIZATION | Ţ | |
| | | Pote | ential | | Current | |
| Methane Reduction (tons/yr): | | | | 4,386 | | 0 |
| CO2 Equivalent of CH4 Reduction | n (tons/yr): | | | 92,096 | | 0 |
| - v | | | | | | |
| Emissions Avoided by Fossil Fuel | Displacement: | Electricity Gene | ration Projec | t | Direct Use Projec | t |
| | | CO2 (tons/yr) | SO2 (ton | is/yr) | CO2 (tons/yr) SO | 02 (tons/yr) |
| | Coal: | 18,943 | | 120 | 13,206 | 120 |
| | Fuel Oil: | 15,547 | | 100 | 10,839 | 63 |
| | Natural Gas: | 10,454 | | 0 | 7,289 | 0 |
| | Numan Gus. | E. CONTACT INFOR | MATION | | 1,207 | |
| | Landfill (| | WIATION | | Landfill Operator | |
| Contact Name: | | | Bob V | Valle | | |
| | | | | | | |
| Mailing Address: | | | P.O. E | 30x 1264 | | |
| DI N I | | | | | | |
| Phone Number: | | | | | | |
| Fax Number: | | | | | | |
| * Itallicized indicates values estim | ated by EPA. | Dec | ember 5, 199 | 8 | State: IN Page | : 20 |

^{*} Itallicized indicates values estimated by EPA.

| | | | Northside L | F | | Landfill Cat | egory: Candidate |
|-----------------------------------|--------------|---------------|---------------------------|---------------|----------------------|------------------------|------------------|
| | | A. G | ENERAL LANDFILL I | NFORMAT | ION | | |
| Landfill Owner: | | | A | nnual Accept | ance Rate | (tons): | 218,372 |
| Landfill Owner Type: | Public | | Y | ear Annual A | cceptance | Rate Reported: | 1991 |
| Alternative Landfill Name: | | | D | esign Capaci | ty (tons): | | |
| City: | | | | cres Currentl | | ed (acres): | |
| County: | Boone | | | verage Depth | | | |
| State: | IN | | | aste-in-Place | | | 3,712,324 |
| Year Open: | 1975 | | | 998 Waste-in | | s): | 3,712,324 |
| Year Closed: | 1991 | | | | (*** | ~ /- | - 7. |
| | | I | B. LANDFILL GAS CO | LLECTION | | | |
| Estimated Methane Generation | on (mmscf/ | (d): | | 1.37 | | | |
| LFG Collection System Status | s: | | | | | | |
| Current LFG Collected (mmse | cf/d): | | | | | | |
| Collection and Treatment Sys | tem Requi | red Under NSP | S/EG: | No | | | |
| | | | C. LANDFILL GAS UT | ILIZATION | | | |
| Current Utilization: | | | | | | | |
| Utilization System Status | s: | Potential | | | | | |
| Utilization System Type: | | Unknown | | | | | |
| Utilization System Start | Year: | | | | | | |
| Electric Utility Provider(| | | | | | | |
| Natural Gas Provider(s): | | | | | | | |
| Energy Purchaser(s): | | | | | | | |
| | | | | | | | |
| Capacity: | | Electrici | ty Generation Project (M' | W) C |)R | Direct Use Project (mn | nBtu/hr) |
| Estimated Potential Capa | acity: | | | 4 | | | 43 |
| Current Capacity: | | | | | | | |
| Planned Capacity: | | | | | | | |
| Utilities in County: | | Advance Mu | n Light & Power Utility: | Boone Coun | tv Rural E | M C; Jamestown Munici | oal Light Dept: |
| | | | RONMENTAL BENEFI | | | | |
| | | D. LIVII | | | | T | nnt . |
| Mathana Daduation (tonakun). | | | Poli | ential | 7,906 | Curr | |
| Methane Reduction (tons/yr): | | - () | | , | | | 0 |
| CO2 Equivalent of CH4 Redu | iction (tons | s/yr): | | _ | 166,034 | | 0 |
| Emissions Avoided by Fossil I | Fuel Displ | acement: | Electricity Gene | ration Projec | t | Direct Use | Project |
| | | | CO2 (tons/yr) | SO2 (tor | ıs/yr) | CO2 (tons/yr) | SO2 (tons/yr) |
| | | Coal: | 33,939 | | 215 | 23,809 | 217 |
| | | | | | | | |
| | | Fuel Oil: | 27,856 | | 179 | 19,541 | 114 |
| | Na | tural Gas: | 18,730 | | 0 | 13,140 | 0 |
| | | | E. CONTACT INFOR | MATION | | | |
| | | Landfill (| Owner | | | Landfill Operator | |
| Contact Name: | | | | John I | Bankert | | |
| Mailing Address: | | | | | outh U.S. 4 | 21 | |
| Maining Address. | | | | 763 3 | ouui 0. 3 . 4 | 7.2.1 | |
| Phone Number: | | | | | | | |
| rnone number: | | | | | | | |
| Fax Number: | | | | | | | |
| * Itallicized indicates values e. | stimated h | ny FPA | Dec | ember 5, 199 | × | State: IN | Page: 21 |

^{*} Itallicized indicates values estimated by EPA.

STAR Version 1.0 / LMOP

| | | | Oak Ridge R | DF | Landfill Co | ategory: Candidate |
|--------------------------------|---------------------------------|------------------|-------------------------|--------------------------|------------------------------|--------------------|
| | | A. GE | NERAL LANDFILL I | NFORMATION | | |
| Landfill Owner: | Indiana | Waste Systems | A | nnual Acceptance | Rate (tons): | 352,305 |
| Landfill Owner Type: | Private | | Y | ear Annual Accep | tance Rate Reported: | 1996 |
| Alternative Landfill N | ame: Byers I | RDF | D | esign Capacity (to | ons): | |
| City: | Logans | sport | A | cres Currently Lar | ndfilled (acres): | |
| County: | Cass | | A | verage Depth (fee | t): | |
| State: | IN | | | Vaste-in-Place (ton | | 3,875,355 |
| Year Open: | 1986 | | 1 | 998 Waste-in-Plac | ee (tons): | 5,068,284 |
| Year Closed: | 2012 | _ | | | | |
| | | В. | LANDFILL GAS CO | LLECTION | | |
| Estimated Methane Ge | | rf/d): | | 1.71 | | |
| LFG Collection System | | | | | | |
| Current LFG Collected | | | | | | |
| Collection and Treatm | ent System Req | | | No | | |
| | | C. | LANDFILL GAS UT | ILIZATION | | |
| Current Utilization: | | | | | | |
| Utilization Syster | | Planned | | | | |
| Utilization Syster | | Direct Therma | ıl | | | |
| Utilization Syster | | | | | | |
| Electric Utility Pr | | | | | | |
| Natural Gas Prov | * * | | | | | |
| Energy Purchaser | (s): | | | | | |
| Capacity: | | Electricity | Generation Project (M | W) OR | Direct Use Project (m | nmBtu/hr) |
| Estimated Potenti | ial Canacity: | | | 5 | <u> </u> | 54 |
| Current Capacity: | | | | 3 | | 54 |
| Planned Capacity | | | | | | |
| | | | | | | |
| Utilities in County: | | Carroll County | y Rural E M C; Fulton (| County Rural E M | C; Logansport Muni Util; Mia | ami Cass Count |
| | | D. ENVIRO | ONMENTAL BENEFI | TS OF UTILIZA | TION | |
| | | | Pot | ential | Cui | rrent |
| Methane Reduction (to | ons/yr): | | | 9,9 | 12 | 0 |
| CO2 Equivalent of CH | 4 Reduction (to | ns/yr): | | 208,1 | 44 | 0 |
| Emissions Ausided bu | Engail Eval Dia | n1 a a ann annta | Electricity Cons | nation Duoiset | Dinast IIa | n Duningt |
| Emissions Avoided by | Fossii Fuei Disj | placement: | Electricity Gene | = | Direct Use | ū |
| | | | CO2 (tons/yr) | SO2 (tons/yr) | CO2 (tons/yr) | SO2 (tons/yr) |
| | | Coal: | 42,621 | 269 | 29,847 | 272 |
| | | Fuel Oil: | 34,981 | 225 | 24,497 | 143 |
| | Λ | latural Gas: | 23,522 | 0 | 16,472 | 0 |
| | | | E. CONTACT INFOR | RMATION | | |
| | | | WIATION | Landfill Operator | | |
| | | | | | Lanuini Oberatoi | |
| Contact Name | Nalson Best- | Landfill O | | Nalaan Da | | |
| Contact Name: | Nelson. Becke | Landfill O | | Nelson Bed | cker | |
| Contact Name: Mailing Address: | Nelson. Becke 208 Fourth Str | Landfill O | | Nelson Bed 208 Fourth | cker | |
| | | Landfill O | | | cker | |

* Itallicized indicates values estimated by EPA. December 5, 1998 State: IN Page: 22



Fax Number:

| | | | Prairie Vie | ew LF | | Landfill Catego | ry: Current |
|--|--|---------------------------------------|------------------------|--|---|---------------------------|--|
| | | A. G] | ENERAL LANDFIL | | ION | | J. 231011 |
| Landfill Owner: Landfill Owner Type: Alternative Landfill Name: City: County: State: Year Open: | Prairie V Prairie V St Josep IN 1981 | View | and Disposal Facilit | Annual Accept Year Annual A Design Capaci Acres Currentl Average Depth 1994 Waste-in 1998 Waste-in | ty (tons): y Landfilled (feet): n-Place (tons) | ate Reported: (acres):): | 435,249 1993 109 75 5,425,098 7,166,094 |
| Year Open: Year Closed: | 1981 | | | 1998 waste-in | -Piace (tons) | : | 7,100,094 |
| Tear Closed. | 1770 | I | B. LANDFILL GAS (| COLLECTION | | | |
| Estimated Methane General LFG Collection System Stat Current LFG Collected (mm Collection and Treatment Sys | tus: | %d): | (| 2.25 Operational 0.9 No | | | |
| | | | C. LANDFILL GAS | UTILIZATION | | | |
| Current Utilization: Utilization System Stat Utilization System Typ Utilization System Stat Electric Utility Provide Natural Gas Provider(s Energy Purchaser(s): | oe: rt Year: er(s): | Operational Reciprocatin 1994 | g Engine | | | | |
| Capacity: | | Electrici | y Generation Project (| (MW) |)R | Direct Use Project (mmBt | u/hr) |
| Estimated Potential Concerning Capacity: Planned Capacity: | upacity: | , , , , , , , , , , , , , , , , , , , | | | | | 70 19 |
| Utilities in County: | · | Fruit Belt El | ectric Coop; Indiana N | Aichigan Power | └ Co; Kankake | e Valley Rural E M C; Ma | rshall Coun |
| • | | | CONMENTAL BENE | | | • | |
| | | D. E. (VII | | Potential | | Current | |
| Methane Reduction (tons/yr CO2 Equivalent of CH4 Red | - | ns/yr): | 1 | | 13,014 273,290 | Current | 3,469 72,849 |
| Emissions Avoided by Fossi | il Fuel Disp | lacement: | Electricity G | eneration Projec | t | Direct Use Pro | ject |
| | | | CO2 (tons/yr) | SO2 (tor | is/yr) | CO2 (tons/yr) | SO2 (tons/yr) |
| | | Coal: | 55,249 | | 349 | 39,189 | 357 |
| | | Fuel Oil: | 45,346 | | 292 | 32,165 | 187 |
| | No | atural Gas: | 30,491 | | 0 | 21,628 | 0 |
| | | | E. CONTACT INF | ORMATION | | | |
| | | Landfill (| | | | Landfill Operator | |
| Contact Name: | | | | Charle | es Hartsell | | |
| Mailing Address: | | | | | | | |
| Phone Number: | | | | 219-5 | 46-4475 | | |
| Fax Number: | | | | | | | |
| | | | _ | | _ | | |

* Itallicized indicates values estimated by EPA. December 5, 1998 State: IN

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| | | Randolph Farm | ıs LF | | Landfill Categor | y: Current |
|--|---------------------------------------|---------------------------|---|-----------------------------|---------------------------|------------------------|
| | A. G | ENERAL LANDFILL I | | ION | | |
| Landfill Owner Type: Alternative Landfill Name: City: Mo | ndolph Farms, Inc | Y D A | ear Annual A Pesign Capaci Acres Currentl | y Landfilled (| te Reported: | 157,015 1993 |
| - | ndolph | | verage Depth | | | 2 454 220 |
| State: IN Year Open: 197 | 75 | | Vaste-in-Place | e (tons): -Place (tons): | | 3,454,330 3,768,360 |
| Year Closed: 201 | | 1 | 990 wasie-in | -Piace (ions): | | 3,700,300 |
| Teal Closed. | | B. LANDFILL GAS CO | LLECTION | | | |
| Estimated Methane Generation (m LFG Collection System Status: Current LFG Collected (mmscf/d) Collection and Treatment System | : | PS/EG: | 1.38 No | | | |
| | | C. LANDFILL GAS UT | ILIZATION | | | |
| Current Utilization: Utilization System Status: Utilization System Type: Utilization System Start Year Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): | Operational Special -Gre : 1997 | enhouse | | | | |
| Capacity: | Electrici | ty Generation Project (M | W) (| OR I | Direct Use Project (mmBtu | /hr) |
| Estimated Potential Capacity Current Capacity: Planned Capacity: | | <i>y</i> | 4 | | | 43 |
| Utilities in County: | Henry Coun | ty Rural E M C; Indiana I | Michigan Pov | ver Co; Jay Co | ounty Rural E M C; Wayne | County R |
| | D. ENVIR | RONMENTAL BENEFI | TS OF UTII | IZATION | | · |
| | | | ential | | Current | |
| Methane Reduction (tons/yr): CO2 Equivalent of CH4 Reduction | a (tons/yr): | 101 | | 7,989 67,775 | Cultent | 0 0 |
| Emissions Avoided by Fossil Fuel | Displacement: | Electricity Gene | ration Projec | t | Direct Use Proj | ect |
| | | CO2 (tons/yr) | SO2 (tor | ns/yr) | CO2 (tons/yr) | SO2 (tons/yr) |
| | Coal: | 33,939 | | 215 | 24,059 | 219 |
| | Fuel Oil: | 27,856 | | 179 | 19,746 | 115 |
| | Natural Gas: | 18,730 | | 0 | 13,278 | 0 |
| | | E. CONTACT INFOR | RMATION | | · | |
| | Landfill | | | | Landfill Operator | |
| Contact Name: Mailing Address: Phone Number: | | | Gary 3 | Fine 53-5714 | | |
| Fax Number: | | | | | | |
| * Itallicized indicates values estime | ated by EPA. | Dec | ember 5, 199 | 8 | State: IN Pa | ge: 24 |

^{*} Itallicized indicates values estimated by EPA.

STAR Version 1.0 / LMOP

| | | | Ransbottom LF | | | Landfill Categor | y: Candidate |
|---|------------------|-----------------|-----------------------------|--------------|--------------|---------------------------|----------------|
| | | A. G | ENERAL LANDFILL IN | FORMAT | ION | | |
| Landfill Owner: Landfill Owner Type: | Ransbo | ttom | | - | cance Rate (| tons): Rate Reported: | 42,530 1993 |
| Alternative Landfill Na | ame: | | Des | ign Capaci | ty (tons): | | |
| City: | Claypo | ol | Acr | es Currentl | y Landfilled | l (acres): | |
| County: | Koscius | sko | Ave | rage Depth | (feet): | | |
| State: | IN | | Was | ste-in-Place | e (tons): | | 978,190 |
| Year Open: | 1974 | | 199 | 8 Waste-in | Place (tons | r): | 1,063,250 |
| Year Closed: | 2019 | | | | | | |
| | | I | B. LANDFILL GAS COLI | LECTION | | | |
| Estimated Methane Ge | neration (mmsc | f/d): | | 0.69 | | | |
| LFG Collection System | n Status: | | | | | | |
| Current LFG Collected | l (mmscf/d): | | | | | | |
| Collection and Treatme | ent System Requ | uired Under NSP | S/EG: | No | | | |
| | | | C. LANDFILL GAS UTIL | IZATION | | | |
| Current Utilization: | | | | | | | |
| Utilization System | n Status: | Unknown | | | | | |
| Utilization System | п Туре: | Unknown | | | | | |
| Utilization System | n Start Year: | | | | | | |
| Electric Utility Pr | ovider(s): | | | | | | |
| Natural Gas Provi | ider(s): | | | | | | |
| Energy Purchaser | (s): | | | | | | |
| | | T | | | \D. | D' III D' III | <i>a</i> > |
| Capacity: | | Electrici | ty Generation Project (MW) | | OR | Direct Use Project (mmBtu | /hr) |
| Estimated Potenti | al Capacity: | | | 2 | | | 22 |
| Current Capacity: | | | | | | | |
| Planned Capacity | : | | | | | | |
| Utilities in County: | | Etna Green I | Electric Light Dept; Fulton | County Rui | al E M C; I | ndiana Michigan Power Co; | Kosciusko |
| | | D. ENVIR | CONMENTAL BENEFITS | S OF UTII | LIZATION | | |
| | | | Poten | tial | | Current | |
| Methane Reduction (to | ons/vr): | | | | 3,989 | | 0 |
| CO2 Equivalent of CH | - · | ns/vr): | | | 83,769 | | 0 |
| | | 23, 3. 7. | | | 00,707 | | |
| Emissions Avoided by | Fossil Fuel Disp | olacement: | Electricity Genera | tion Projec | t | Direct Use Proj | ect |
| | | | CO2 (tons/yr) | SO2 (tor | is/yr) | CO2 (tons/yr) | SO2 (tons/yr) |
| | | Coal: | 17,364 | | 110 | 12,012 | 109 |
| | | Fuel Oil: | 14,252 | | 92 | 9,859 | 58 |
| | λ. | atural Gas: | 9,583 | | 0 | 6,629 | 0 |
| | IV | anuran Gas. | | I A TOTAL | 0 | 0,029 | 0 |
| | | Landfill (| E. CONTACT INFORM | IATION | | Landfill Operator | |
| Contact Name: | | Landini | J W HCI | | 1 | Landini Operator | |
| Contact Ivame: | | | | Dan R | ansbottom | | |
| Mailing Address: | | | | | | | |
| Phone Number: | | | | 210.9 | 39-0300 | | |
| | | | | 219-8. | 37-0300 | | |
| Fax Number: | | | | | | | |
| * Itallicized indicates v | 1 1 | 1 ED4 | ъ | hor 5 100 | 0 | State: IN Do | ra: 25 |

^{*} Itallicized indicates values estimated by EPA.

State: IN

Page:

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| | | | Rumpke (Union | ntown) | | Landfill Category. | · Candidate |
|---|-----------------------|---------------|--------------------------|---|---------------|--------------------------------|--------------|
| | | A. G | ENERAL LANDFILL | | ON | Langui Caregory. | Culturate |
| Landfill Owner: | | | | | | na): | 8,287 |
| Landfill Owner Type: | | | | Annual Acceptance Rate (tons): Year Annual Acceptance Rate Reporter | | | 1993 |
| Alternative Landfill Na | | own County LF | | Design Capacit | • | te Reported. | 1993 |
| | ame: Omono Crothei | - | | Acres Currently | - | ingres); | |
| City: | Jacksor | | | | | acres). | |
| County: | | 1 | | Average Depth | | | 1 (20 2(2 |
| State: | IN 1075 | | | Vaste-in-Place | | | 1,639,263 |
| Year Open: | 1975 | | I | 998 Waste-in- | Place (tons): | | 1,639,263 |
| Year Closed: | 1993 | ī | B. LANDFILL GAS CO | LIFCTION | | | |
| F : 114 1 G | | | CANDFILL GAS CO | | | | |
| Estimated Methane Ge | | f/d): | | 0.84 | | | |
| LFG Collection System | | | | | | | |
| Current LFG Collected | | | | | | | |
| Collection and Treatme | ent System Requ | | | No | | | |
| | | | C. LANDFILL GAS UT | TILIZATION | | | |
| Current Utilization: | | | | | | | |
| Utilization System | n Status: | Potential | | | | | |
| Utilization System | n Type: | Unknown | | | | | |
| Utilization System | n Start Year: | | | | | | |
| Electric Utility Pr | ovider(s): | | | | | | |
| Natural Gas Provi | ider(s): | | | | | | |
| Energy Purchaser | r(s): | | | | | | |
| | | | | | | | |
| Capacity: | | Electrici | ty Generation Project (M | (W) C | R I | Direct Use Project (mmBtu/h | ır) |
| Estimated Potenti | ial Capacity: | | | 3 | | | 26 |
| Current Capacity: | | | | | | | |
| Planned Capacity | : | | | | | | |
| Hilitias in Country | | Douth alamay | County Dural E M.C. I | aalraan Caunt | r Dunal E M (| C; PSI Energy Inc; South Ce | ntual Indi |
| Utilities in County: | | | <u> </u> | | | e, FSI Ellergy Ilic, South Ce. | iluai iliui |
| | | D. ENVIR | CONMENTAL BENEF | ITS OF UTIL | IZATION | | |
| | | | Poi | tential | | Current | |
| Methane Reduction (to | ons/yr): | | | | 4,841 | | 0 |
| CO2 Equivalent of CH | 4 Reduction (to | ns/yr): | | 1 | 01,657 | | 0 |
| T · · · · · · · · · · · · · · · · · · · | E "E ID" | 7 | El | | | D' . II D ' | |
| Emissions Avoided by | Fossil Fuel Disp | olacement: | Electricity Gene | ū | | Direct Use Project | |
| | | | CO2 (tons/yr) | SO2 (ton | s/yr) | CO2 (tons/yr) So | O2 (tons/yr) |
| | | Coal: | 20,521 | | 130 | 14,577 | 133 |
| | | Fuel Oil: | 16,843 | | 108 | 11,964 | 70 |
| | N | atural Gas: | 11,325 | | 0 | 8,045 | 0 |
| | - ' | ann an Gust | E. CONTACT INFO | DMATION | | | |
| | | Landfill (| | MINIATION | | Landfill Operator | |
| Contact Name | | | JWIICI | | | | |
| Contact Name: | Thomas Rump | ke | | Willia | m Rumpke, P | resident | |
| Mailing Address: | | | | 10795 | Hughes Road | d | |
| | | | | | | | |
| Phone Number: | | | | | | | |
| Ear Nau-1 | | | | | | | |
| Fax Number: | | | | | | | |
| | | | | | | | |

* Itallicized indicates values estimated by EPA. December 5, 1998 State: IN Page:

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Rumpke-Medora LF Landfill Category: Candidate A. GENERAL LANDFILL INFORMATION Landfill Owner: Rumpke Waste Inc. Annual Acceptance Rate (tons): 133,318 Landfill Owner Type: Private Year Annual Acceptance Rate Reported: 1996 Alternative Landfill Name: Design Capacity (tons): City: Acres Currently Landfilled (acres): County: Jackson Average Depth (feet): State: ΙN Waste-in-Place (tons): 2,932,996 Year Open: 1975 1998 Waste-in-Place (tons): 4,322,496 Year Closed: 2009 **B. LANDFILL GAS COLLECTION** Estimated Methane Generation (mmscf/d): 1.52 LFG Collection System Status: Current LFG Collected (mmscf/d): Collection and Treatment System Required Under NSPS/EG: No C. LANDFILL GAS UTILIZATION Current Utilization: **Utilization System Status:** Potential Utilization System Type: Unknown Utilization System Start Year: Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Estimated Potential Capacity: 5 48 Current Capacity: Planned Capacity: Bartholomew County Rural E M C; Jackson County Rural E M C; PSI Energy Inc; South Central Indi Utilities in County: D. ENVIRONMENTAL BENEFITS OF UTILIZATION Potential Current Methane Reduction (tons/yr): 8,809 0 CO2 Equivalent of CH4 Reduction (tons/yr): 184,983 0 Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project Direct Use Project CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr) SO2 (tons/yr) Coal: 37,885 240 26,526 241 Fuel Oil: 200 31,095 21,772 127 Natural Gas: 0 14,640 0 20,908 E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Thomas Rumpke Bruce Wilcox Mailing Address: 10795 Hughes Road Route 1 10795 Hughes Road Route 1 Phone Number:

* Itallicized indicates values estimated by EPA. December 5, 1998 State: IN 27 Page:

513-851-0122



Fax Number:

513-851-0122

| | | | Rumpke-Mila | | | Landfill Catego | ry: Candidate | |
|---------------------------|------------------|-----------------|-----------------------------|----------------|-------------|--------------------------|---------------|--|
| | | A. G. | ENERAL LANDFILL | INFORMATI | ION | | | |
| Landfill Owner: | | | A | Annual Accept | ance Rate | (tons): | 69,931 | |
| Landfill Owner Type: | Private | | | | | Rate Reported: | 1996 | |
| Alternative Landfill N | ame: | | Design Capacity (tons): | | | | | |
| City: | | | A | Acres Currentl | y Landfille | ed (acres): | | |
| County: | Ripley | | Average Depth (feet): | | | | | |
| State: | IN | | 7 | Waste-in-Place | e (tons): | | 1,538,482 | |
| Year Open: | 1975 | | 1998 Waste-in-Place (tons): | | | | | |
| Year Closed: | 1995 | | | | | | | |
| | | I | B. LANDFILL GAS CO | DLLECTION | | | | |
| Estimated Methane Ge | eneration (mmsc | f/d): | | 0 | | | | |
| LFG Collection System | n Status: | | | | | | | |
| Current LFG Collected | d (mmscf/d): | | | | | | | |
| Collection and Treatm | ent System Requ | uired Under NSP | S/EG: | No | | | | |
| | | | C. LANDFILL GAS UT | TILIZATION | | | | |
| Current Utilization: | | | | | | | | |
| Utilization Syster | n Status: | Potential | | | | | | |
| Utilization System | | Unknown | | | | | | |
| Utilization System | | Cindiowii | | | | | | |
| Electric Utility Pr | | | | | | | | |
| Natural Gas Prov | | | | | | | | |
| Energy Purchaser | | | | | | | | |
| Energy I drendser | (3). | | | | | | | |
| Capacity: | | Electrici | ty Generation Project (M | IW) C | R | Direct Use Project (mmBt | u/hr) | |
| Estimated Potent | ial Capacity: | | | 0 | | | 0 | |
| Current Capacity: | | | | | | | | |
| Planned Capacity | | | | | | | | |
| | | | | | | | | |
| Utilities in County: | | Decatur Cou | nty Rural E M C; PSI Er | nergy Inc; Sou | theastern I | ndiana R E M C | | |
| | | D. ENVIR | ONMENTAL BENEF | ITS OF UTII | IZATION | N . | | |
| | | | Po | tential | | Current | | |
| Methane Reduction (to | ons/yr): | | | | 23 | | 0 | |
| CO2 Equivalent of CH | I4 Reduction (to | ns/yr): | | | 487 | | 0 | |
| | | | | | | | | |
| Emissions Avoided by | Fossil Fuel Disp | olacement: | Electricity Gen | = | | Direct Use Pro | - | |
| | | | CO2 (tons/yr) | SO2 (ton | is/yr) | CO2 (tons/yr) | SO2 (tons/yr) | |
| | | Coal: | 0 | | 0 | 70 | 1 | |
| | | Fuel Oil: | 0 | | 0 | 57 | 0 | |
| | λì | atural Gas: | 0 | | 0 | 39 | 0 | |
| | IV | aturat Gas: | | | 0 | 39 | 0 | |
| | | T 10"11 | E. CONTACT INFO | RMATION | | 1. 1611.0 | | |
| | | Landfill (| Owner | | | Landfill Operator | | |
| Contact Name: | Thomas Rump | ke | | Paul J | ohnson | | | |
| Mailing Address: | | | | | | | | |
| <u> </u> | | | | | | | | |
| Phone Number: | | | | 012 (| 54 2015 | | | |
| | | | | 012-03 | 54-2015 | | | |
| Fax Number: | | | | | | | | |
| · Itallicized indicates v | values estimated | by EPA. | Dea | cember 5, 199 | 8 | State: IN Pa | age: 28 | |
| J | | | 200 | , | | | | |

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| | | | South Side LF | | | Landfill Categor | y: Current |
|--|------------------------------------|-----------------|-----------------------------|-------------------------|-----------------------------|----------------------------|-----------------|
| | | A. G] | ENERAL LANDFILL INF | ORMATI | ON | | |
| Landfill Owner: Landfill Owner Type: Alternative Landfill Na | | | Year | Annual A | - | ons): ate Reported: | 407,410 1993 |
| | ative Landfill Name: Indianapolis | | | | ty (tons): y Landfilled | (norms): | |
| City: County: | Indiana Marion | - | | s Currenti age Depth | =" | (acres): | |
| State: | IN | | | age Depui e-in-Place | | | 8,963,020 |
| Year Open: | 1975 | | | | · (tolls). ·Place (tons) | | 9,777,840 |
| Year Closed: | 2002 | | 1990 | wasie-in- | r iace (ions) | | 9,777,040 |
| Tear Crosed. | 2002 | I | 3. LANDFILL GAS COLL | ECTION | | | |
| Estimated Methane Ge | neration (mmsc | | | 2.92 | | | |
| LFG Collection System | · · · · · · · · | γω). | Operat | | | | |
| Current LFG Collected | | | орыш | 0.3 | | | |
| Collection and Treatme | | iired Under NSP | S/EG: | No | | | |
| Concerton and Treatme | one by stem requ | | C. LANDFILL GAS UTILI | | | | |
| Current Utilization: | | | | | | | |
| Utilization System | n Status: | Operational | | | | | |
| Utilization System | | Medium Btu | | | | | |
| Utilization System | | 1989 | | | | | |
| Electric Utility Pr | | 1909 | | | | | |
| Natural Gas Provi | | | | | | | |
| Energy Purchaser | * * | | | | | | |
| Energy I dichaser | (8). | | | | | | |
| Capacity: | | Electrici | y Generation Project (MW) | C | PR | Direct Use Project (mmBtu | /hr) |
| Estimated Potenti | al Capacity: | | | 9 | | | 91 |
| Current Capacity: | | | | | | | 6 |
| Planned Capacity | : | | | | | | |
| Utilities in County: | | Daviess Mar | tin County R E M C; Indiana | polis Pow | er & Light C | Co; Jackson County Rural E | M C; Ora |
| | | D. ENVIR | ONMENTAL BENEFITS | OF UTII | IZATION | | |
| | | | Potenti | al | | Current | |
| Methane Reduction (to | ons/yr): | | | | 16,876 | | 1,156 |
| CO2 Equivalent of CH | - · | ns/yr): | | 3 | 354,396 | | 24,282 |
| | · | - | | | | | |
| Emissions Avoided by | Fossil Fuel Disp | olacement: | Electricity Generat | - | I | Direct Use Proj | |
| | | | CO2 (tons/yr) | SO2 (ton | s/yr) | CO2 (tons/yr) | SO2 (tons/yr) |
| | | Coal: | 71,824 | | 454 | 50,820 | 462 |
| | | Fuel Oil: | 58,950 | | 379 | 41,711 | 243 |
| | N | atural Gas: | 39,639 | | 0 | 28,047 | 0 |
| | | | E. CONTACT INFORM | ATION | | | |
| | | Landfill (| | | | Landfill Operator | |
| Contact Name: | John Balkema | | | Scott | Fitzgerald | <u> </u> | |
| Mailing Address | | | | | <i>J</i> | | |
| Mailing Address: | | | | | | | |
| Phone Number: | | | | 217.2 | 47 6000 | | |
| i none muniber. | | | | 317-24 | 47-6808 | | |
| Fax Number: | | | | | | | |
| * Itallicized indicates v | 1 | 1 ED4 | | per 5 100 | n | State: IN Day | ra: 20 |

December 5, 1998

State: IN

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| | | Spencer Cou | inty | | Landfill Cat | egory: Candidate |
|--------------------------------------|-----------------|--------------------------------|----------------|-------------|------------------------|------------------|
| | A. G | ENERAL LANDFILL | INFORMAT | ION | | |
| Landfill Owner: | | A | Annual Accept | tance Rate | (tons): | 265,927 |
| Landfill Owner Type: Pu | ıblic | • | Year Annual A | Acceptance | Rate Reported: | |
| Alternative Landfill Name: | | I | Design Capaci | ty (tons): | | |
| City: Hi | untingburg | A | Acres Currentl | y Landfille | ed (acres): | |
| County: Sp | pencer | A | Average Depth | ı (feet): | | |
| State: IN | 1 | 7 | Waste-in-Place | e (tons): | | 3,191,122 |
| Year Open: 19 | 983 | i | 1998 Waste-in | -Place (ton | s): | 3,191,122 |
| Year Closed: 19 | 994 | | | | | |
| |] | B. LANDFILL GAS CO | DLLECTION | | | |
| Estimated Methane Generation (r | nmscf/d): | | 1.23 | | | |
| LFG Collection System Status: | | | | | | |
| Current LFG Collected (mmscf/d |): | | | | | |
| Collection and Treatment System | | | No | | | |
| | | C. LANDFILL GAS UT | TILIZATION | I | | |
| Current Utilization: | | | | | | |
| Utilization System Status: | Unknown | | | | | |
| Utilization System Type: | Unknown | | | | | |
| Utilization System Start Yea | r: | | | | | |
| Electric Utility Provider(s): | | | | | | |
| Natural Gas Provider(s): | | | | | | |
| Energy Purchaser(s): | | | | | | |
| Capacity: | Electrici | ty Generation Project (M | IW) (|)R | Direct Use Project (mm | nBtu/hr) |
| Estimated Potential Capacit | y: | | 4 | | | 39 |
| Current Capacity: | | | | | | |
| Planned Capacity: | | | | | | |
| Utilities in County: | Southern Inc | liana Gas & Elec Co; So | uthern Indiana | R E C Inc | | |
| | D. ENVIR | RONMENTAL BENEF | ITS OF UTII | LIZATION | J | |
| | | | tential | | Curre | ent |
| Methane Reduction (tons/yr): | | 10 | iciiiai | 7,136 | Curre | 0 |
| CO2 Equivalent of CH4 Reduction | m (tons/vr): | | | 149,848 | | 0 |
| CO2 Equivalent of C114 Reductio | n (10113/ y1). | | | | | |
| Emissions Avoided by Fossil Fue | l Displacement: | Electricity Generation Project | | | Direct Use | Project |
| | | CO2 (tons/yr) | SO2 (tor | ıs/yr) | CO2 (tons/yr) | SO2 (tons/yr) |
| | Coal: | 30,782 | | 195 | 21,488 | 196 |
| | Fuel Oil: | 25,264 | | 163 | 17,636 | 103 |
| | Natural Gas: | 16,988 | | 0 | 11,859 | 0 |
| | Trans. at Gust | E. CONTACT INFO | DMATION | | 11,000 | Ů |
| | Landfill | | MINATION | | Landfill Operator | |
| Contact Name: | | | Charle | es Brown | • | |
| | | | | | | |
| Mailing Address: | | | P.O. I | 30x 157 | | |
| Phone Number: | | | | | | |
| | | | | | | |
| Fax Number: | | | | | | |
| * Itallicized indicates values estim | nated by EPA. | Dec | cember 5, 199 | 8 | State: IN | Page: 30 |

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| | | | Terre Haute | | Landfill Category: | Candidata |
|-------------------------|------------------|-----------------|----------------------------|---|-----------------------------|---------------|
| | | A. G | ENERAL LANDFILL INFO | DRMATION | Lanajiii Calegory. | Candidate |
| Landfill Owner: | Contine | ental Waste | | al Acceptance Rate (| (tons): | |
| Landfill Owner Type: | Private | | | Annual Acceptance | | 1998 |
| Alternative Landfill Na | | | | n Capacity (tons): | | |
| City: | | | | d (acres): | | |
| County: | | | ` , | | | |
| State: | IN | | | ge Depth (feet): Waste-in-Place (ton | as): | |
| Year Open: | | | 1998 | Waste-in-Place (ton. | s): | |
| Year Closed: | | | | | | |
| | | I | B. LANDFILL GAS COLLE | CCTION | | |
| Estimated Methane Ge | neration (mmsc | f/d): | | | | |
| LFG Collection System | | | | | | |
| Current LFG Collected | | | | | | |
| Collection and Treatme | | uired Under NSF | PS/EG: | No | | |
| | | | C. LANDFILL GAS UTILIZ | ZATION | | |
| Current Utilization: | | | | | | |
| Utilization System | n Status: | Potential | | | | |
| Utilization System | | Unknown | | | | |
| Utilization System | | | | | | |
| Electric Utility Pr | | | | | | |
| Natural Gas Provi | | | | | | |
| Energy Purchaser | | | | | | |
| Energy 1 drendser | (3). | | | | | |
| Capacity: | | Electrici | ty Generation Project (MW) | OR | Direct Use Project (mmBtu/h | r) |
| Estimated Potenti | al Capacity: | | | | | |
| Current Capacity: | | | | | | |
| Planned Capacity | : | | | | | |
| Utilities in County: | | | | | | |
| Cultures in County: | | D. ENHAL | | | • | |
| | | D. ENVIR | RONMENTAL BENEFITS (| | | |
| | | | Potentia | il | Current | |
| Methane Reduction (to | • • | | | | | |
| CO2 Equivalent of CH | 4 Reduction (to | ns/yr): | | | | |
| Emissions Avoided by | Fossil Fuel Disi | olacement: | Electricity Generation | on Proiect | Direct Use Projec | rt |
| | | | · · | SO2 (tons/yr) | | 02 (tons/yr) |
| | | <i>C</i> 1 | 202 (10.113, 3.1) | 202 (10113), 11) | (10113) | 2 (10.10, 3.) |
| | | Coal: | | | | |
| | | Fuel Oil: | | | | |
| | N | atural Gas: | | | | |
| | | | E. CONTACT INFORMA | TION | | |
| | | Landfill (| | | Landfill Operator | |
| Contact Name: | | | | | | |
| M-::: A 11 | | | | | | |
| Mailing Address: | | | | | | |
| DI 37 : | | | | | | |
| Phone Number: | | | | | | |
| Fax Number: | | | | | | |
| | | | | 1 | | |

^{*} Itallicized indicates values estimated by EPA. December 5, 1998 State: IN Page: 31



| | | Twin Bridges | RDF | | Landfill Categor | y: Current |
|--|---------------------------|-----------------------------|--|--------------|---------------------------|-------------------|
| | Α. | GENERAL LANDFILL | | ION | | |
| Landfill Owner: Landfill Owner Type: | | | Annual Acceptance Rate (tons): Year Annual Acceptance Rate Reporte | | | 1,001,570 1993 |
| Alternative Landfill Name: | Danville LF; Danville | | Design Capaci | - | ate Reported. | 1773 |
| City: | | | | y Landfilled | (acres): | 120 |
| County: | Hendricks | | Average Depth | - | | 87 |
| State: | IN | | 1994 Waste-in | |): | 5,336,140 |
| Year Open: | 1976 | i | 1998 Waste-in | Place (tons) |): | 9,342,420 |
| Year Closed: | 2000 | | | | | |
| | | B. LANDFILL GAS CO | DLLECTION | | | |
| Estimated Methane Generation | on (mmscf/d): | | 2.81 | | | |
| LFG Collection System Statu | s: | Op | erational | | | |
| Current LFG Collected (mms | cf/d): | | 1.0 | | | |
| Collection and Treatment Sys | stem Required Under N | SPS/EG: | No | | | |
| | | C. LANDFILL GAS UT | TILIZATION | | | |
| Current Utilization: Utilization System Statu Utilization System Type Utilization System Start Electric Utility Provider Natural Gas Provider(s): Energy Purchaser(s): | Reciproca Year: 1994 (s): | al ting Engine | | | | |
| Capacity: | Electri | icity Generation Project (M | IW) C |)R | Direct Use Project (mmBtu | /hr) |
| Estimated Potential Cap Current Capacity: Planned Capacity: | pacity: | | 9 3.2 | | | 88 21 |
| Utilities in County: | Boone Co | unty Rural E M C; Coatesy | rille Munic Lig | ght & Power | Dept; Hendricks County Ru | ral E M C |
| | D. ENV | TRONMENTAL BENEF | ITS OF UTII | IZATION | | |
| | | | tential | | Current | |
| Methane Reduction (tons/yr): | | 10 | ieniiai | 16,232 | Current | 3,854 |
| CO2 Equivalent of CH4 Redi | | | 3 | 340,874 | | 80,942 |
| CO2 Equivalent of CI14 Real | etion (tons/yr). | | | 7-10,07-1 | | 00,742 |
| Emissions Avoided by Fossil | Fuel Displacement: | Electricity Gen | eration Projec | t | Direct Use Proj | ect |
| | | CO2 (tons/yr) | SO2 (ton | us/yr) | CO2 (tons/yr) | SO2 (tons/yr) |
| | Coal: | 69,456 | | 439 | 48,881 | 445 |
| | Fuel Oil: | 57,007 | | 367 | 40,119 | 234 |
| | Natural Gas: | 38,332 | | 0 | 26,977 | 0 |
| | Tutti Gus. | E. CONTACT INFO | DMATION | | 20,777 | |
| | I andfi | ll Owner | KWIATION | | Landfill Operator | |
| Contact Name: | Dundii | ii owner | Larry | Wright | Landin Operator | |
| | | | Larry | 1111gm | | |
| Mailing Address: | | | | | | |
| Phone Number: | | | 217.7 | 45-2878 | | |
| | | | 317-7 | -13-20/0 | | |
| Fax Number: | | | 1 | | | |

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United Refuse LF Landfill Category: Candidate A. GENERAL LANDFILL INFORMATION Landfill Owner: Continental waste Industries Inc. Annual Acceptance Rate (tons): 263,901 Landfill Owner Type: Private Year Annual Acceptance Rate Reported: 1996 Alternative Landfill Name: Design Capacity (tons): City: Fort Wayne Acres Currently Landfilled (acres): County: Allen Average Depth (feet): State: IN Waste-in-Place (tons): 7,125,327 Year Open: 1970 1998 Waste-in-Place (tons): 8,508,397 Year Closed: 2005 **B. LANDFILL GAS COLLECTION** Estimated Methane Generation (mmscf/d): 2.59 LFG Collection System Status: Current LFG Collected (mmscf/d): Collection and Treatment System Required Under NSPS/EG: No C. LANDFILL GAS UTILIZATION Current Utilization: **Utilization System Status:** Potential Utilization System Type: Unknown Utilization System Start Year: Electric Utility Provider(s): Natural Gas Provider(s): Energy Purchaser(s): Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr) Estimated Potential Capacity: 8 81 Current Capacity: Planned Capacity: Indiana Michigan Power Co; Noble County Rural E M C; Northeastern Rural E M C; Paulding-Putna Utilities in County: D. ENVIRONMENTAL BENEFITS OF UTILIZATION Potential Current Methane Reduction (tons/yr): 14,999 0 CO2 Equivalent of CH4 Reduction (tons/yr): 314,975 0 Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project Direct Use Project CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr) SO2 (tons/yr) Coal: 63,931 404 45,167 411 Fuel Oil: 52,472 338 37,071 216 Natural Gas: 0 0 35.283 24,927 E. CONTACT INFORMATION Landfill Owner Landfill Operator Contact Name: Steve Sneider Steve Sneider Mailing Address: PO Box 9039 PO Box 9039 5000 Smith Road 5000 Smith Road

* Itallicized indicates values estimated by EPA. December 5, 1998 State: IN Page: 33

219-432-5582



Phone Number:

Fax Number:

219-432-5582

| | | | Wabash Vall | ev LF | | Landfill Cates | gory: Candidate |
|--------------------------------------|------------------|-------------------|--------------------------|-----------------------------|------------------|-------------------------|-----------------|
| | | A. G] | ENERAL LANDFILL | - | ION | Lanajii Cale | ,,. Cundidate |
| Landfill Owner: Landfill Owner Type: | Wabash Public | n Valley Landfill | Co Ltd | Annual Accept Year Annual A | ance Rate (to | | 204,035 1996 |
| Alternative Landfill Na | | | | Design Capaci | - | и перопец. | 1770 |
| City: | | | | Acres Currentl | • • • | acres): | |
| County: | Wabash | 1 | | Average Depth | - | | |
| State: | IN | | | Waste-in-Place | | | 4,488,770 |
| Year Open: | 1975 | | | 1998 Waste-in | -Place (tons): | | 5,000,644 |
| Year Closed: | 1996 | | | | | | |
| | | I | B. LANDFILL GAS C | OLLECTION | | | |
| Estimated Methane Ge | _ | f/d): | | 1.70 | | | |
| LFG Collection System | | | | | | | |
| Current LFG Collected | | | | | | | |
| Collection and Treatme | ent System Requ | | | No | | | |
| | | | C. LANDFILL GAS U | TILIZATION | | | |
| Current Utilization: | | | | | | | |
| Utilization Systen | | Potential | | | | | |
| Utilization Systen | | Unknown | | | | | |
| Utilization Systen | | | | | | | |
| Electric Utility Pro | | | | | | | |
| Natural Gas Provi | | | | | | | |
| Energy Purchaser | (s): | | | | | | |
| Capacity: | | Electrici | ty Generation Project (M | MW) C | OR I | Direct Use Project (mmI | Btu/hr) |
| Estimated Potenti | | | | 5 | | | 53 |
| Current Capacity: | | | | | | | |
| Planned Capacity: | | | | | | | |
| Utilities in County: | | Kosciusko C | ounty Rural E M C; Mi | ami Cass Cour | ty Rural E M | C; Northeastern Rural I | E M C; PSI E |
| | | D. ENVIR | CONMENTAL BENEI | FITS OF UTII | LIZATION | | |
| | | | Pe | otential | | Currer | nt |
| Methane Reduction (to | ns/yr): | | | | 9,812 | | 0 |
| CO2 Equivalent of CH | • ' | ns/yr): | | | 206,042 | | 0 |
| | | - | | | | | |
| Emissions Avoided by | Fossil Fuel Disp | olacement: | Electricity Ger | - | | Direct Use P | = |
| | | | CO2 (tons/yr) | SO2 (tor | is/yr) | CO2 (tons/yr) | SO2 (tons/yr) |
| | | Coal: | 41,832 | | 264 | 29,546 | 269 |
| | | Fuel Oil: | 34,334 | | 221 | 24,250 | 141 |
| | N | atural Gas: | 23,086 | | 0 | 16,306 | 0 |
| | | | E. CONTACT INFO | DRMATION | | | |
| | | Landfill (| Owner | | | Landfill Operator | |
| Contact Name: | John Hoffman | | | John I | Hoffman | | |
| Mailing Address: | | | | 1152 | Manchester A | ve | |
| | | | | 1132 | | . • | |
| Phone Number: | | | | 219-5 | 63-2539 | | |
| Fax Number: | | | | 217-3 | -55 - 557 | | |
| I da I tuilloci. | | | | | | | |

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STAR Bifusi India da familia

| | | | Wheeler RD | F | | Landfill Category: | Current |
|------------------------------------|-----------|----------------|-------------------------|----------------|--------------|------------------------------|--------------|
| | | A. GI | ENERAL LANDFILL I | NFORMAT | ION | | |
| Landfill Owner: | Indiana | Waste Systems | A | nnual Accept | ance Rate (| (tons): | 12,711 |
| Landfill Owner Type: | Private | | Y | ear Annual A | cceptance l | Rate Reported: | 1993 |
| Alternative Landfill Name: | Wheeler | | | | ty (tons): | | |
| City: | Wheeler | r | A | cres Currentl | y Landfille | d (acres): | |
| County: | Porter | | A | verage Depth | (feet): | | |
| State: | IN | | V | Vaste-in-Place | e (tons): | | 6,692,406 |
| Year Open: | 1976 | | 1 | 998 Waste-in | -Place (tons | s): | 6,692,405 |
| • | 1993 | | | | , | , | , , |
| | | B | 8. LANDFILL GAS CO | LLECTION | | | |
| Estimated Methane Generation | ı (mmscf | %d): | | 2.13 | | | |
| LFG Collection System Status: | : | | | | | | |
| Current LFG Collected (mmscf | f/d): | | | | | | |
| Collection and Treatment Syste | em Requ | ired Under NSP | S/EG: | No | | | |
| | | (| C. LANDFILL GAS UT | ILIZATION | | | |
| Current Utilization: | | | | | | | |
| Utilization System Status: | | Operational | | | | | |
| Utilization System Type: | | Reciprocatin | g Engine | | | | |
| Utilization System Start Y | ear: | | | | | | |
| Electric Utility Provider(s |): | | | | | | |
| Natural Gas Provider(s): | | | | | | | |
| Energy Purchaser(s): | | | | | | | |
| | | | | | | | |
| Capacity: | | Electricit | y Generation Project (M | W) (| OR | Direct Use Project (mmBtu/h | |
| Estimated Potential Capac | city: | | | 7 | | | 67 |
| Current Capacity: | | | | | | | |
| Planned Capacity: | | | | | | | |
| Utilities in County: | ' | Jasper Count | y Rural E M C; Kankake | e Valley Rura | al E M C; N | Northern Indiana Pub Serv Co | |
| | | D. ENVIR | ONMENTAL BENEFI | TS OF UTII | LIZATION | | |
| | | | Pot | ential | | Current | |
| Methane Reduction (tons/yr): | | | | | 12,313 | | 0 |
| CO2 Equivalent of CH4 Reduc | tion (ton | is/yr): | | 2 | 258,579 | | 0 |
| | | | | | | | |
| Emissions Avoided by Fossil Fi | uel Disp | lacement: | Electricity Gene | _ | | Direct Use Projec | |
| | | | CO2 (tons/yr) | SO2 (tor | is/yr) | CO2 (tons/yr) SC | 02 (tons/yr) |
| | | Coal: | 52,882 | | 334 | 37,080 | 337 |
| | | Fuel Oil: | 43,403 | | 279 | 30,434 | 177 |
| | No | atural Gas: | 29,185 | | 0 | 20,464 | 0 |
| | | | E. CONTACT INFOR | RMATION | | | |
| | | Landfill (| | | | Landfill Operator | |
| Contact Name: | | | | Bruce | Sindewald | | |
| Mailing Address: | | | | 4655 | West 137th | Street | |
| | | | | 1000 | 050 15741 | | |
| Phone Number: | | | | | | | |
| | | | | | | | |
| Fax Number: | | | | | | | |
| * Itallicized indicates values est | timated l | by EPA. | Dec | ember 5, 199 | 8 | State: IN Page | : 35 |

^{*} Itallicized indicates values estimated by EPA.

| | | | Worthington LF | | | I an dfill Cat | | Candidate | |
|-------------------------|------------------|--|----------------------------|--------------------------------|--------------|---|--------------------|-------------|--|
| | | A. G | ENERAL LANDFILL INFO | DRMATI | ON | Landfill Cat | egory: | Candidate | |
| I ICH O | D 1 | | | | | | | 105 105 | |
| Landfill Owner: | - | e Waste Inc | | _ | ance Rate (| | | 125,127 | |
| Landfill Owner Type: | Private | | | | - | Rate Reported: | | 1996 | |
| Alternative Landfill Na | ime: | Design Capacity (tons): Acres Currently Landfilled (acres): | | | | | | | |
| City: | | | | - | | d (acres): | | | |
| County: | Greene | | | ige Depth | | | | | |
| State: | IN | | | e-in-Place | | | | 1,876,905 | |
| Year Open: | 1982 | | 1998 | Waste-in- | Place (tons | s): | | 2,284,171 | |
| Year Closed: | 2003 | - | LANDEILI GAGGOLLI | CONTON | | | | | |
| | | | B. LANDFILL GAS COLLI | | | | | | |
| Estimated Methane Ge | | f/d): | | 1.00 | | | | | |
| LFG Collection System | | | | | | | | | |
| Current LFG Collected | ` , | | | | | | | | |
| Collection and Treatme | ent System Requ | | | No | | | | | |
| | | | C. LANDFILL GAS UTILIZ | ZATION | | | | | |
| Current Utilization: | | | | | | | | | |
| Utilization Systen | n Status: | Potential | | | | | | | |
| Utilization Systen | n Type: | Unknown | | | | | | | |
| Utilization Systen | n Start Year: | | | | | | | | |
| Electric Utility Pr | ovider(s): | | | | | | | | |
| Natural Gas Provi | der(s): | | | | | | | | |
| Energy Purchaser | (s): | | | | | | | | |
| | ` , | | | | | | | | |
| Capacity: | | Electrici | ty Generation Project (MW) | O | R | Direct Use Project (mm | Btu/hr) |) | |
| Estimated Potenti | al Capacity: | | | 3 | | | | 31 | |
| Current Capacity: | | | | | | | | | |
| Planned Capacity: | | | | | | | | | |
| Utilities in County: | | Knox Count | y Rural E M C; Linton Muni | Light Den | ot: PSI Ener | roy Inc. Sullivan County | Rural F | M C· U | |
| Cunties in County. | | | RONMENTAL BENEFITS | | | | iturur L | 7111 0, 0 | |
| | | D. ENVIR | | | IZATION | | | | |
| | | | Potentic | Potential | | | Current | | |
| Methane Reduction (to | | | | | 5,794 | | | 0 | |
| CO2 Equivalent of CH | 4 Reduction (to | ns/yr): | | 1 | 21,682 | | | 0 | |
| Emissions Avoided by | Fossil Fuel Disr | lacomont: | Flactricity Congrati | Electricity Generation Project | | | Direct Use Project | | |
| Emissions Avoided by I | rossii Fuei Disp | лисетені. | CO2 (tons/yr) | SO2 (ton | | CO2 (tons/yr) | | 2 (tons/yr) | |
| | | Coal: | 24,468 | 502 (1011 | 155 | 17,449 | 502 | 159 | |
| | | | | | | , in the second of the second | | | |
| | | Fuel Oil: | 20,082 | | 129 | 14,322 | | 84 | |
| | N | atural Gas: | 13,503 | | 0 | 9,630 | | 0 | |
| | | | E. CONTACT INFORMA | TION | | | | | |
| | | Landfill (| Owner | | | Landfill Operator | | | |
| Contact Name: | Thomas Rump | ke | | Randy | Denton | | | | |
| Mailing Address: | | | | PO Bo | x 27 | | | | |
| | | | | | | | | | |
| Phone Number: | | | | 812-87 | 75-2545 | | | | |
| Fax Number: | | | | | | | | | |
| I an i tuilloci. | | | | | | | | | |

^{*} Itallicized indicates values estimated by EPA.

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